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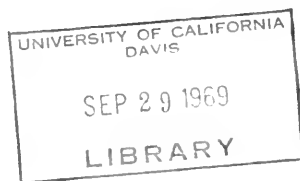
The Resources Agency

Department of Water Resources

BULLETIN No. 130-67

HYDROLOGIC DATA: 1967

Volume III: CENTRAL COASTAL AREA



JUNE 1969

NORMAN B. LIVERMORE, JR.
Secretary for Resources
The Resources Agency

RONALD REAGAN
Governor
State of California


WILLIAM R. GIANELLI
Director
Department of Water Resources

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VOLUME I
NORTH COASTAL
AREA

VOLUME II
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CALIFORNIA


VOLUME III
CENTRAL
COASTAL
AREA

VOLUME IV
SAN JOAQUIN
VALLEY

BULLETIN No. 130
HYDROLOGIC DATA
AREAL COVERAGE OF VOLUMES

Each Volume Contains

- Appendix A: Climatological Data
- Appendix B: Surface Water Measurements
- Appendix C: Ground Water Measurements
- Appendix D: Surface Water Quality
- Appendix E: Ground Water Quality

This Volume 

This Area Reported in
Volume III & V


VOLUME V
SOUTHERN CALIFORNIA



FOREWORD

The data collection programs of the Department of Water Resources have been designed to supplement the activities of other agencies to satisfy specific needs of the State. Bulletin No. 130-67 presents useful, comprehensive, accurate, and timely hydrologic data which are prerequisites for effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series is published annually in five volumes. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map to the left.



William R. Gianelli, Director
Department of Water Resources
State of California
May 5, 1969

METRIC CONVERSION TABLE

ENGLISH UNIT	EQUIVALENT METRIC UNIT
Inch (in)	2.54 Centimeters
Foot (ft)	0.3048 Meter
Mile (mi)	1.609 Kilometers
Acre	0.405 Hectare
Square mile (sq. mi.)	2.590 Square kilometers
U. S. gallon (gal)	3.785 Liters
Acre foot (acre-ft)	1,233.5 Cubic meters
U. S. gallon per minute (gpm)	0.0631 Liters per second
Cubic feet per second (cfs)	1.7 Cubic meters per minute
1 part per million (ppm)	1 milligram per liter (mg/l)
1 part per billion (ppb)	1 microgram per liter (ug/l)
1 part per trillion (ppt)	1 nanogram per liter (ng/l)
1 equivalent per million (epm)	1 milliequivalent per liter (me/l)

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2	Ground Water Basins or Units in the Central Coastal Area, 1967
3	Surface Water Stations in the Central Coastal Area, 1967

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

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State

California Department of Public Health
California Department of Veterans
Affairs
California Division of Highways
California Division of Forestry
University of California, Agricultural
Extension Service
North Coastal Water Quality Control
Board
San Francisco Bay Regional Water
Quality Control Board
Central Coastal Regional Water Quality
Control Board
State Water Resources Control Board

Local

Alameda County Flood Control and
Water Conservation District
Alameda County Water District
Marin County
Mendocino County
Monterey County Flood Control and
Water Conservation District
Napa County
San Benito County
San Luis Obispo County Flood Control
and Water Conservation District
Santa Clara County Flood Control and
Water District
Santa Clara Valley Water Conservation
District
Santa Cruz County, Department of
Public Works
Solano Irrigation District
Sonoma County Flood Control and
Water Conservation District
South Santa Clara Valley Water
Conservation District

ABSTRACT

Tables show data on climate, surface water flow, ground water levels, and surface and ground water quality during the 1966-67 water year, and waste water from July 1, 1965, through September 30, 1967, in the Central Coastal Area. Figures show the status of sea water intrusion in the Santa Clara Valley East Bay area, average depth to water in wells, specific conductance in Alameda Creek near Niles, and waste water discharge locations. Plates show locations of climatological stations, ground water basins or units, and surface water measurement and quality stations.

Appendix A
CLIMATOLOGICAL DATA

INTRODUCTION

This appendix is a summary of monthly precipitation, temperature, wind movement, and evaporation data for the Central Coastal Area from July 1, 1966 to September 30, 1967. Fourteen cooperating agencies and twenty-eight local observers supplied the data. More detailed daily and hourly data for some of the stations are available in the files of the Department of Water Resources.

To insure accuracy, stations are inspected regularly to see that equipment is properly maintained and that, generally, observations are taken in accordance with U. S. Weather Bureau standards.

Each station for which data are included in this appendix has been assigned an identification number. The first two digits denote the drainage basin; the remaining digits denote the alphabetical sequence of the station. The drainage basin designations are as follows:

Central Coastal Area

D0 Santa Cruz
D1 Pajaro-San Benito Rivers
D2 Lower Salinas River
D3 Upper Salinas River
D4 Monterey Coast

San Francisco Bay Area

E0 San Francisco Bay
E1 Coast-Marin
E2 Marin-Sonoma
E3 Napa-Sonoma
E4 East Bay
E5 Alameda Creek
E6 Santa Clara Valley
E7 Bayside-San Mateo
E8 Coast-San Mateo

North Coastal Area

F8 Mendocino Coast
F9 Russian River

Index of Climatological Stations

An explanation of the column headings and the code symbols used in connection with the climatological station listing follows:

40-Acre Tract - This denotes the location of the station within the section in which it is located.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

The letter code is derived from this diagram.

Base and Meridian - The code for this column is as follows:

M - Mount Diablo Base and Meridian

Cooperator Number - This number is assigned from the following list:

000	Private Cooperator
407	San Benito County
411	Marin County
413	Marin Municipal Water District
414	Santa Clara Valley Water Conservation District
418	Vallejo Water Department
426	Santa Clara County Flood Control and Water District
804	State Department of Beaches and Parks
806	State Department of Water Resources
808	State Division of Forestry
809	State Division of Highways
900	U. S. Weather Bureau
901	Corps of Engineers, San Francisco District
907	State Climatologist (unpublished USWB)
909	U. S. Soil Conservation Service

Cooperator's Index Number - This indicates the number assigned to the station by the agency responsible for, or handling, the records of the station.

County - The code for counties included in the index of climatological stations is as follows:

Alameda	60	San Francisco	80
Contra Costa	07	San Luis Obispo	40
Marin	21	San Mateo	41
Mendocino	23	Santa Clara	43
Monterey	27	Santa Cruz	44
Napa	28	Solano	48
San Benito	35	Sonoma	49

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1966-67

CENTRAL COASTAL AREA

Station		Elevation (in Feet)	Section	Township	Range	4th Base Tract	Base & Meridian	Latitude	Longitude	Cooperator's Number	Cooperator's Index Number	Record Begin	Year Closed	Remarks	Notes
Number	Name														
E6 0053	ALAMITOS PERC POND	185					M 37 15 18	121 52 18	41			1959			43
E4 0064	ALAMO 1 S	418	11	1011	R02W		M 37 52	122 02	40			1957			43
E6 0125	ALMADEN RESERVOIR	640	11	1009	R01E		M 37 1 00	121 50 50	414			1936			43
F9 0135	ALPINE DAM	680		1013	R01W		M 37 36 31	122 36 18	413			1945			41
E3 0212	ANGUS P U C	1815	05	1085	R05W		M 38 34 18	122 26 12	400			1939			48
D2 0322	ARROYO SECO	800	SEC 36	T19S	R01E		M 36 14 00	121 29 00	900			1931			27
D3 0360-01	ATASCADERO MAINT STA	940	SEC 26	T26S	R12E	R	M 35 27 31	120 38 24	809	L145		1948			40
E3 0372	ATLAS ROAD	1735	SEC 25	T07N	R04W		M 38 25 00	122 15 00	900			1940			28
D0 0676	BEN LOMOND NO 2	375	SEC 04	T10S	R02W		M 37 06 00	122 05 00	900			1965	1967		44
D0 0677	BEN LOMOND NO 3	720	SEC 10	T10S	R01W		M 37 05 11	122 04 00	900			1967			44
E4 0693	BERKELEY	299		1015	R03W		M 37 34 00	122 15 00	900			1887			60
D4 0790	BIG SUR STATE PARK	240	SEC 30	T19S	R02E		M 36 15 00	121 47 00	900			1914			27
E6 0850	BLACK MTR 2 SW	2341	SEC 36	T07S	R03W		M 37 18 00	122 10 00	900			1843			43
F9 0876	BLAKES LANDING	40	SEC 13	T04S	R10W		M 38 11 42	122 55 00	000			1956			21
F9 0969	BON TEMPE DAM	723	SEC 11	T01N	R07W		M 37 57 24	122 36 36	413			1958			21
F8 0973	BOONVILLE IRS	340	SEC 02	T13N	R14W	F	M 39 00 54	123 22 18	900	FM071		1936			23
F8 0973-02	BOONVILLE FARRER	395		T13N	R14W		M 39 00 48	123 22 12	901			1951			23
D0 1005	BOULDER CK LOCATELLI	2180	SEC 16	T09S	R03W		M 37 09 00	122 1 00	900			1943			44
D3 1034	BRADLEY	540	SEC 08	T24S	R11E		M 35 52	122 48	900			1946			27
D3 1142	BRYSON	925	SEC 34	T24S	R08E		M 35 48 00	121 05 00	900			1956			27
D1 1170	BUEYA VISTA	1640	SEC 27	T13S	R07E	R	M 36 46 00	121 11 00	900			1932			35
E7 1206	BURLINGAME	10		T04S	R05W		M 37 35 00	122 21 00	900			1946			41
E4 1216	BURTON RANCH	530	SEC 09	T01S	R02W		M 37 52 00	122 05 00	900			1955			07
D1 1247	BUZZARD LAKE	1275	SEC 26	T10S	R01E	M	M 37 02 00	121 50 00	000			1959			44
E5 1281	CALAVERAS RESERVOIR	805	SEC 24	T05S	R01E		M 37 29 12	121 49 06	900			1874			60
E6 1285	CALERO RESERVOIR	500	SEC 04	T09S	R02L	E	M 37 10 48	121 45 48	414			1958			43
E3 1312	CALISTOGA	365	SEC 36	T09S	R07W		M 38 35 00	122 35 00	900			1873			28
E6 1314-10	CAMBRIA PARK	530					M 37 15 12	121 55 24	426			1893			43
E6 1377-01	CAMPBELL WATER CO	192	SEC 35	T01S	R01W	C	M 37 17 00	121 57 00	000			1957	1959		43
D4 1534	CARMEL VALLEY	425		T17S	R02E		M 36 29 00	121 44 00	900			1957			27
E3 1537	CARNEROS VALLEY	300	SEC 13	T05N	R05W		M 38 17 00	122 21 30	901			1931			26
F9 1602	CAZADERO	1040	SEC 13	T08S	R12W		M 38 32 00	123 07 00	900			1939			49
D1 1739	CHITTENDEN PASS	125	SEC 12	T12S	R03E		M 36 54 00	121 36 00	900			1945			35
D1 1739-01	CHITTENDEN	104	SEC 11	T12S	R03E	K	M 36 54 08	121 36 17	909			1960			44
D3 1743	CHOLANE ALLEY RANCH	1753	SEC 12	T26S	R16E		M 35 43 00	120 15 00	900			1925			40
D1 1766	CINEMA	900	SEC 18	T14S	R06E	B	M 36 42 54	121 20 48	407			1950			35
F9 1838	CLOVERDALE 3 SSE	320	SEC 29	T11N	R10W		M 38 49 00	122 59 00	900			1950			49
F9 1840	CLOVERDALE 11 W	1840	SEC 17	T11N	R12W		M 38 46 00	123 13 00	900			1939			49
E3 1919	COLLINSVILLE	34	SEC 22	T03N	R01E	F	M 38 05 26	121 51 17	000			1947			48
E4 1962	CONCORD 3 E	200		T01N	R01W		M 37 58 00	121 59 00	900			1954			07
D0 2048	CORRALITOS	260	SEC 12	T11S	R02E		M 36 59	121 48	900			1958			43
F9 2105	COYOTE DAM	720	SEC 34	T16N	R12W		M 39 11 00	123 11 00	901			1960			43
E6 2109	COYOTE RESERVOIR	800	SEC 19	T10S	R04E	C	M 37 05 06	121 34 24	414			1958			43
D0 2159	CREST RANCH	2640					M 37 15 06	122 08 00	000			1948			44
E4 2177	CROCKETT	12	SEC 32	T03S	R03W		M 38 04 00	122 13 00	900			1918			07
D0 2290	DAVENPORT	273	SEC 32	T10S	R03W	Q	M 37 01	122 12	900			1910			44
D2 2362	DEL MONTE	476		T15S	R01E		M 36 36 00	121 52 00	900			1911			27
E3 2399-48	DENVERTON 1 S	22	SEC 06	T04S	R01E	F	M 38 12 23	121 53 28	000			1950			48
E3 2580	DUTTONS LANDING	20					M 38 12 00	122 18 00	900			1955			28
E3 2933	FAIRFIELD	15	SEC 25	T03S	R02W		M 38 15 00	122 03 00	900			1940			48
E3 2934	FAIRFIELD POLICE STA	14	SEC 26	T03S	R02W		M 38 15 00	122 03 00	900			1951			48
F8 3161	FORT BRAGG	70	SEC 7	T18S	R17W		M 37 27 00	123 49 00	900			1890			43
F8 3164	FORT BRAGG AVIATION	74	SEC 25	T18S	R17W		M 37 24 00	123 49 00	900			1940			43
F8 3191	FORT ROSS	119	SEC 30	T08S	R12W	D	M 38 31	123 15	900			1874			44
D1 3232	FREEDOM 8 NW	1495	SEC 24	T10S	R01E		M 37 13 00	121 49 00	900			1952			44
D1 3238	FREMONT PEAK	2504					M 36 43 36	121 29 36	000			1950			35
E5 3387	GERBER RCH	2144	SEC 36	T09S	R04E		M 37 22 00	121 24 12	900			1912			43
F9 3395-07	GEYSERVILLE HOKING	200	SEC 16	T10S	R09W	J	M 38 43 00	122 53 30	806			1965			43
D1 3417	GILROY	194	SEC 09	T14S	R04E		M 37 08 00	121 34 00	900			1947			43
D1 3419	GILROY 8 SE	1550	SEC 28	T14S	R04E		M 37 04 00	121 29 00	900			1942			43
D1 3422	GILROY 14 ENE	1334	SEC 05	T10S	R06E		M 37 06 00	121 26 00	900			1940			43
D2 3502	GONZALES 9 ENE	2350	SEC 15	T16S	R06E		M 36 33 00	121 48 00	900			1942			35
F9 3577	GRATON	209	SEC 21	T17S	R09W		M 38 29 34	122 51 48	000			1948			49
F9 3578	GRATON 1 W	190	SEC 20	T17S	R09W		M 38 26 00	122 53 00	900			1890			44
D2 3591	GREENFIELD BAKER	280					M 39 19 24	121 14 36	900						44
E3 3612-01	GREEN VALLEY	414	SEC 03	T05S	R03W		M 38 17 00	122 1 00	418			1893			48
E6 3681	GUADALUPE RESERVOIR	450	SEC 29	T18S	R01W	A	M 37 1 00	121 53 00	414			1939			43
F9 3683	GUNNVILLE	113	SEC 23	T08S	R11E		M 37 31	122 08	900			1934			44
F8 3714	HALE MOON BAY	90	SEC 29	T05S	R05W		M 37 28 00	122 26 00	900			1991			41
D3 3722	HAMES VALLEY	725	SEC 32	T23S	R10E							1993			41

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1966-67
CENTRAL COASTAL AREA

Station		Elevation (in Feet)	Section	Township	Range	40-Acre Tract Block & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						O	I	N	O	I	N						
E4 3863	HAYWARD 6 ESE	715	SEC 21	T03S	R01W	M	37	39	00	121	59	00	900		1940			60
F9 3875	HEADLSBURG	101	SEC 19	T09N	R09W	M	38	37		122	50		900		1877			49
F9 3878	HEADLSBURG NO 2	102		T09N	R09W	M	38	37		122	50		900		1943			49
D1 3925	HERNANDEZ 2 NW	2160	SEC 29	T17S	R10E	M	36	25	00	120	55	00	900		1940			35
D1 3928	HERNANDEZ 7 SE	2765	SEC 06	T19S	R12E	M	36	18	00	120	42	00	900		1940			35
D1 4022	HOLLISTER	285		T12S	R05E	M	36	51	00	121	24	00	900		1874			35
D1 4025	HOLLISTER 2	284		T12S	R05E	M	36	51	00	121	24	00	900		1938			35
D1 4035	HOLLISTER 10 ENE	2578	SEC 08	T12S	R07E	M	36	55	00	121	14	00	900					35
F9 4100	HOPLAND LARGO STA	550		T13N	R12W	M	39	01	00	123	07	00	900		1948			23
F9 4277	INVERNESS MERY	150				M	38	05	24	122	51	06	000		1951			21
F9 4480	KELLOGG	1800	SEC 09	T09N	R07W	M	38	40	00	122	40	00	900		1936			49
E2 4500	KENTFIELD	90				M	37	57	00	122	33	00	900		1888			21
F9 4502	KENT LAKE	360		T02N	R08W	M	37	59	54	122	42	30	413		1954			21
D2 4555	KING CITY	320	SEC 18	T20S	R08E	M	36	12	00	121	08	00	900		1887			27
F9 4593	KNIGHTS VALLEY	480	SEC 18	T09N	R07W	M	38	37	00	122	40	00	900		1964			49
E4 4633	LAFAYETTE 2 NNE	540				M	37	55	00	122	06	00	900		1956			07
F9 4652	LAGUNITAS LAKE	785		T01N	R07W	M	37	56	48	122	35	42	413		1881			21
E8 4660	LA HONDA	780	SEC 14	T07S	R04W	M	37	19	00	122	16	00	900		1950			28
E3 4677	LAKE CURRY	396	SEC 19	T06N	R02W	M	38	21	18	122	07	18	418		1926			40
D3 4767	LA PANZA RANCH	1550	SEC 20	T29S	R17E	M	35	23	00	120	10	00	900		1948			40
E6 4916	LEROY ANDERSON DAM	700	SEC 10	T09S	R03E K	M	37	09	48	121	37	48	414		1950			43
E6 4922	LEXINGTON RESERVOIR	700	SEC 05	T09S	R01W J	M	37	10	36	121	59	18	414		1951			43
D3 4963	LINN RANCH	870	SEC 07	T26S	R12E F	M	35	41	06	120	43	24	000		1925			40
E5 4994-01	LIVERMORE COUNTY F D	490	SEC 17	T03S	R02E	M	37	40	00	121	46	00	000		1966			60
E5 4996	LIVERMORE SEWAGE PLT	408	SEC 12	T03S	R01E A	M	37	41	45	121	48	20	000		1961			60
E5 4997	LIVERMORE 2 SSW	565	SEC 20	T03S	R02E	M	37	39	00	121	47	00	900		1871			60
D3 5017	LOCKWOOD 2 N	1104	SEC 34	T22S	R08E	M	35	58	00	121	05	00	900		1940			27
E6 5123	LOS GATOS	428		T08S	R01W	M	37	13	00	121	59	00	900		1885			43
E6 5123-04	LOS GATOS WRIGHT	1610	SEC 26	T09S	R01W H	M	37	07	24	121	56	00	000		1947			43
D0 5125	LOS GATOS 4 SW	2400	SEC 01	T09S	R02W	M	37	11		122	02		900		1957			43
04 5184	LUCIA WILLOW SPRINGS	360	SEC 05	T24S	R05E	M	35	53	00	121	27	00	900		1941			27
E3 5333	MAKE ISLAND NAVY	52		T03N	R03W	M	38	06		122	16	12	900		1867			48
E4 5371	MARTINEZ 3 S	225		T03N	R02W	M	37	58	00	122	08	00	900		1941			07
E4 5372	MARTINEZ 3 SSE	280				M	37	58		122	06		900		1956			07
E4 5377	MARTINEZ FIRE STN	26		T02N	R02W	M	38	01	00	122	08	00	900		1891			07
E2 5647	MILL VALLEY	10	SEC 31	T01N	R06W	M	37	53	48	122	31	36	411		1944			21
D4 5795	MONTEREY	385		T15S	R01E	M	36	36	00	121	54	00	900		1878			27
E6 5844	MORGAN HILL 2 E	225		T09S	R03E	M	37	08	00	121	37	00	900		1943			43
E6 5846	MORGAN HILL 6 WNW	660	SEC 16	T09S	R02E	M	37	09	00	121	46	00	900					43
D1 5853	MORGAN HILL SCS	350	SEC 28	T09S	R03E	M	37	08	00	121	39	00	900		1945			43
E4 5915	MOUNT DIABLO N GATE	2100	SEC 12	T01S	R01W	M	37	52	00	121	56	00	900		1952			07
E5 5933	MOUNT HAMILTON	4206		T07S	R03E	M	37	20	00	121	39	00	900		1881			43
D1 5973	MOUNT MADONNA	1800	SEC 35	T10S	R02E	M	37	01	00	121	43	00	900		1945			44
D1 5973-11	MOUNT MADONNA CO PK	1880	SEC 01	T11S	R02E B	M	37	00	42	121	42	12	909		1937			43
E2 5996	MT TAMALPAIS 2 SW	1480				M	37	54		122	36		900		1959			21
E2 6027	MUIR WOODS	170				M	37	54	00	122	34	00	900		1940			21
D3 6056	NACIMIENTO DAM	770	SEC 15	T25S	R10E	M	35	46	00	120	53	00	900		1957			40
E3 6067	NAPA 5 NNN	30	SEC 16	T06N	R04W	M	38	22	00	122	18	00	900		1966			28
E3 6074	NAPA STATE HOSPITAL	60	SEC 14	T05N	R04W H	M	38	17	00	122	16	00	900		1877			28
F9 6105	NAVARRO 1 NW	220	SEC 18	T15W	R15W	M	39	10	00	123	34	00	900		1958			23
E5 6144	NEWARK	14	SEC 01	T05S	R02W Q	M	37	31	18	122	01	43	900		1891			60
F9 6187	NICASIO												413					21
E5 6199-10	NILES PINNA	75		T04S	R01N	M	37	35	00	121	58	00	000		1962			60
E2 6290	NOVATO 8 WNW	350	SEC 24	T04N	R08W	M	38	08	00	122	43	00	900		1943			21
E2 6290-02	NOVATO FIRE HOUSE	18				M	38	06	30	122	33	42	411		1957			21
E4 6332-01	OAKLAND 39TH AVE			T02S	R03W	M							907		1960			60
E4 6333	OAKLAND CITY HALL	40	SEC 35	T01S	R04W	M	37	48	00	122	16	00	900		1949			60
E4 6335	OAKLAND WB AP	3				M	37	44	00	122	12	00	900		1939			60
E3 6351	OAKVILLE 1 WNW	160	SEC 21	T07N	R05W	M	38	27	00	122	25	00	900		1906			28
E3 6356	OAKVILLE 4 SW NO 2	1685	SEC 01	T06N	R06W	M	38	24	00	122	28	00	900		1963			28
F9 6370	OCCIDENTAL	1000	SEC 33	T07N	R10W	M	38	25	00	122	59	00	900		1940			49
D1 6610	PAICINES OHRWALL RCH	950	SEC 12	T14S	R05E	M	36	44	00	121	22	00	900		1924			35
E6 6646	PAJO ALTO CITY HALL	23	SEC 01	T06S	R03W	M	37	27	00	122	08	00	900		1953			43
D2 6650	PALOMA	1855	SEC 23	T18S	R04E	M	36	21	00	121	30	00	900		1940			27
D3 6703	PARKFIELD	1482	SEC 35	T23S	R14E	M	35	53	00	120	26	00	900		1938			27
D3 6706	PARKFIELD 7 NNN	3590	SEC 21	T22S	R14E N	M	36	59	46	120	28	26	900		1948			27
D3 6730	PASO ROBLES	700	SEC 33	T26S	R12E	M	35	38	00	120	41	00	900		1887			40
D3 6736	PASO ROBLES 5 NW	995	SEC 13	T26S	R11E	M	35	41	00	120	45	00	900		1940			40
D3 6742	PASO ROBLES FAA AP	803	SEC 13	T26S	R12E	M	35	40	00	120	38	00	900		1944			40
E6 6791-43	PENITENCIA RAIN GAGE	255	SEC 23	T06S	R01E L	M	37	24	00	121	49	54	426					43

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1966-67
CENTRAL COASTAL AREA

Station		Elevation (in Feet)	Section	Township	Range	43-44-Acre Tract Block & Meridian	Latitude	Longitude	Cooperator Number	Record Began	Record Ended	Trans. Missing	County	State
Number	Name													
E2 6826	PETALUMA FS NO 2	16	SEC 33	T05N	R07W	M	36 14 48	122 38 00	900	1971				49
E2 6826-01	PETALUMA BURNS	240	SEC 02	T04N	R08W	M	36 13 44	122 42 48	901	1959				49
F8 6851-01	PHILO 2 NW	240		T14N	R15W	M	39 05 00	123 28 30	000	1953				49
F8 6851-02	PHILO 4 NW	240	SEC 33	T15N	R15W	M	39 01 00	123 37 00	000					49
F9 6853	PHOENIX LAKE DAM	175				M	37 57 18	122 34 24	-13	1937				49
D2 6926	PINNACLES NAT MON	1310	SEC 02	T17S	R07E	M	36 29 00	121 11 00	900	1937				35
E5 6991-05	PLEASANTON NURSERY	345	SEC 20	T03S	R01E	M	37 40 00	122 53 00	000	1939				60
F8 7009	POINT ARENA	122	SEC 12	T12N	R17W	M	38 55 00	123 12 00	900	1940				60
E4 7070	PORT CHICAGO NAD	50		T02N	R01W	M	38 01 00	122 01 00	900	1946				07
E8 7086	PORTLA STATE PARK	422	SEC 08	T08S	R03W Q	M	37 14 42	122 12 42	901	1959				49
F9 7108	POTTER VALLEY 3 SE	1100	SEC 27	T17N	R11W	M	39 18 00	123 04 00	900					49
F9 7109	POTTER VALLEY PH	1014	SEC 06	T17N	R11W	M	39 22 00	123 08 00	900	1911				49
D2 7150	PRIEST VALLEY	2300	SEC 21	T20S	R12E	M	36 11 00	123 42 00	900	1896				49
D1 7190	QUIEN SABLE HAY CAMP	1630	SEC 27	T12S	R07E M	M	36 51 30	121 11 48	000	1949				49
D1 7249	RANCHO QUIEN SABLE	1800	SEC 04	T13S	R07E D	M	36 50 12	121 12 48	000	1931				35
F6 7339	RENDWOOD CITY	31		T05S	R03W	M	37 29 00	122 14 00	900	1899				49
F9 7351	RENDWOOD VALLEY	718	SEC 09	T16N	R12W	M	39 16 00	123 12 00	900	1937				49
E4 7414	RICHMOND	55				M	37 56 00	122 21 00	900	1950				07
D4 7539-01	ROOSEVELT RANCH	1100	SEC 24	T20S	R02E	M	36 10 48	121 11 48	000	1946				49
E3 7643	SANTA HELENA	255	SEC 31	T08N	R05W N	M	38 30 00	122 28 00	900	1907				28
E3 7646	SANTA HELENA - NSW	1792	SEC 04	T07N	R06W	M	38 36 00	122 42 00	900	1939				21
E4 7661	SAINT MARYS COLLEGE	625	SEC 17	T01S	R02W	M	37 50 00	122 09 00	900	1942				07
D2 7668	SALINAS 2 E	80				M	36 40 00	121 37 00	900	1958				49
D2 7669	SALINAS FAA AP	80		T14S	R03E	M	36 40 00	121 36 00	900	1873				49
D3 7672	SALINAS DAM	1380	SEC 08	T30S	R14E	M	35 20 00	121 30 00	900	1942				49
D2 7673	SALINAS DE DAMPIERRE	125	SEC 13	T14S	R03E P	M	36 42 30	121 35 00	800	1960				49
E2 7707-01	SAN ANSELMO	100				M	37 58 30	122 33 42	-11	1957				21
D3 7714	SAN ANTONIO MISSION	1060	SEC 18	T22S	R07E	M	36 08 00	121 15 00	900	1959				49
D2 7716	SAN ARDO	450	SEC 16	T22S	R10E K	M	36 01 48	120 54 00	900	1894				49
D1 7719	SAN BEVITO	1355	SEC 27	T16S	R08E H	M	36 30 30	121 04 34	900	1936				35
D4 7731	SAN CLEMENTE DAM	600	SEC 23	T17S	R02E	M	36 26 12	121 42 30	900	NPS-18	1940			49
D1 7755	SAN FELICE HIGHWAY STN	365		T10S	R06E	M	37 01 00	121 20 00	900	1943				49
E8 7767	SAN FRANCISCO SUNSET	32		T02S	R06W	M	37 46 00	122 30 00	900	1948				08
E7 7769	SAN FRANCISCO WB AP	8				M	37 37 00	122 23 00	900	1928				49
E7 7772	SAN FRANCISCO F O B	52				M	37 47 00	122 25 00	900	1931				08
E8 7807	SAN GREGORIO 2 SE	275	SEC 23	T07S	R05W	M	37 18 00	122 22 00	900	1964				49
E6 7821	SAN JOSE	70		T07S	R01E	M	37 21 00	121 54 00	900	1874				49
E6 7824-01	SAN JOSE DECID FFS	90	SEC 15	T07S	R01W J	M	37 19 00	121 57 00	804	1943				49
D1 7834	SAN JUAN BAUTISTA 3 SSE	613	SEC 10	T13S	R04E	M	36 49 00	121 31 00	900	1943				35
D1 7835	SAN JUAN BAUTISTA MI	200				M	36 50 42	121 34 00	804	1900				02 35
D2 7843-10	SAN LUCAS GUIDICI	380	SEC 08	T21S	R09E B	M	36 07 25	121 01 09	800	1962	1966			49
E7 7864	SAN MATEO	30	SEC 29	T04S	R04W	M	37 34 00	122 19 00	900	1874				49
E2 7880	SAN RAFAEL	31				M	37 58 00	122 32 00	901	1948				21
E2 7880-08	SAN RAFAEL NO 1	25		T04N	R06W	M	37 58 24	122 31 30	-13	1876				21
E6 7912	SANTA CLARA UNIV	88		T07S	R01W	M	37 21 00	121 56 00	900	1881				49
D0 7916	SANTA CRUZ	123				M	36 39 00	122 01 00	900	1866				49
D3 7930	SANTA MARGARITA 2 SW	1200	SEC 36	T29S	R12E	M	35 42 00	120 38 00	900	1941				49
D3 7933	SANTA MARGARITA ESIR	1100	SEC 25	T29S	R12E	M	35 42 00	120 38 00	900	1931				49
F9 7964	SANTA ROSA SEWAGE PLT	20	SEC 21	T07N	R08W F	M	38 26 24	122 43 12	130	1956				49
F9 7965	SANTA ROSA	167		T07N	R08W	M	38 27 00	122 42 00	900	1888				49
E6 7998-01	SARATOGA CLARK	272		T07S	R01W	M	37 16 48	121 54 42	-14					49
E6 7998-02	SARATOGA GAP MAINI					M			809					49
E6 7998-03	SARATOGA RRIEGE			T08S	R02W	M	37 15 00	122 02 00	-14	1960				49
E6 8068	SEARSVILLE LAKE	350	SEC 12	T09S	R03W	M	37 24 00	122 14 00	900	1949				49
F9 8072	SEBASTOPOL 4 SSE	150	SEC 09	T06N	R09W	M	38 21 00	122 49 00	900	1933				49
F9 8272	SKAGGS SPR LAS LOMAS	1930	SEC 36	T16N	R12W	M	38 41 00	123 08 00	900	1939				49
D2 8276	SLACK CANYON	1730	SEC 22	T21S	R12E	M	36 03 00	120 40 00	900	1955				49
D2 8338	SOLEDAD	204		T17S	R06E	M	36 26 00	121 19 00	900	1874				49
D2 8338-01	SOLEDAD CFI	230	SEC 12	T17S	R06E L	M	36 28 29	121 22 34	900	1901				49
E2 8351	SOLANA	70	SEC 18	T03S	R03W	M	38 17 00	122 27 00	900	1942				49
E0 8376	S E FARALLON	27				M	37 42 00	123 03 00	900	1941				08
D2 8446	SPECKELS WAY BRIDGE	60		T13S	R12E	M	36 36 00	121 45 00	900	1901				49
E6 8446-01	SPECKELS	48	SEC 16	T13S	R12E	M	36 37 00	121 45 00	900	1901				49
E6 8447	SPECKELS HILL LAG SE	253	SEC 24	T08S	R12E	M	37 12 00	121 43 22	-14	1961				49
E6 8519	STEVENS CREEK RES	600	SEC 28	T07S	R02W H	M	37 18 00	122 43 00	-14	1937				49
D1 8680	SUNSET BEACH ST PARK	85		T12S	R01E	M	36 34 00	121 50 00	900	1956				49
E2 8779	TAMALPAIS VALLEY	250				M	37 32 42	122 34 30	900	1949				49
D3 8849	TEMPLETON	773	SEC 29	T27S	R12E	M	35 24 00	120 42 21	130	1880				09 49
F9 8885	THE GEYSERS	1600	SEC 23	T11N	R09W	M	38 48 00	122 49 00	900	1939				49
E2 8920-21	TIBURON TOPHAM	400		T01S	R09W	M	37 42 24	122 27 12	900	1961				21

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1966-67

CENTRAL COASTAL AREA

Station		Elevation (in Feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude		Longitude		Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code		
Number	Name						I	II	O	I							II	
F9 9122	UKIAH	623	SEC 17	T15N	R12W	M	39	09	00	123	12	00	900		1877		23	
F9 9124	UKIAH & WSW	1900	SEC 27	T15N	R13W	M	39	08	00	123	16	00	900		1951		07 23	
E4 9185	UPPER SAN LEANDRO FIL	390	SEC 11	T02S	R03W	G	M	37	46	00	122	10	00	900		1944		07
D1 9189	UPPER TRES PINOS	2050	SEC 07	T15S	R09E	M	36	38		121	02		900		1940		35	
D3 9221	VALLETON	950	SEC 32	T23S	R12E	M	35	53	00	120	42	00	900		1940		27	
E6 9270	VASONA RESERVOIR	300				M	37	14	36	121	58	00	426				43	
F9 9273	VENADO	1260	SEC 19	T09N	R10W	M	38	37	00	123	01	00	900		1939		49	
E3 9305	VETERANS HOME	170	SEC 01	T06N	R05W	M	38	23		122	22		000		1912		28	
E4 9420	WALMAR SCHOOL	128				M	37	57	00	122	05	00	900		1954		07	
E4 9423	WALNUT CREEK 2 ESE	245	SEC 36	T01N	R02W	M	37	53	00	122	02	00	900		1887		07	
E4 9426	WALNUT CREEK 2 ENE	220	SEC 30	T01N	R02W	M	37	54	00	122	01	00	900		1944		07	
E4 9427	WALNUT CREEK 4 E	400				M	37	54	00	121	59	00	900		1954		07	
D1 9473	WATSONVILLE WATERWKS	95				M	36	56	00	121	46	00	900		1880		44	
D0 9675	WILDER RANCH	50				M	36	57	36	122	05	24	000		1924		44	
E3 9675-1	WILD HORSE VALLEY	1240	SEC 10	T05N	R03W	D	M	38	17	53	122	11	13	418			48	
F9 9770	WOODACRE	430	SEC 22	T02N	R07W	K	M	38	00	24	122	38	30	808	049770	1950	21	
E6 9814	WRIGHTS	1600	SEC 23	T09S	R01W	M	37	08	00	121	57	00	900		1918		43	
F8 9851	YORKVILLE	1100	SEC 08	T12N	R12W	M	38	54	00	123	14	00	900		1939		23	
E3 9861	YOUNTVILLE GAMBLE	120	SEC 24	T07N	R05W	P	M	38	26	05	122	22	05	806		1962		28

Precipitation Data

Abbreviations and symbols used in connection with precipitation data are as follows:

RE - Record ends.

RB - Record begins.

T - Trace.

E - Estimated.

-- - No record or record incomplete.

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation In Inches												Total Oct. 1 To Sept. 30		
		1966						1967								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.
CENTRAL COASTAL AREA																
SANTA CRUZ (IX)																
Ben Lomond No 2	71.07	0.24	T	0.30	0.00	12.07	11.13	20.16	0.35	14.55	10.07	0.00	2.20	0.00	RE	0.00
Ben Lomond No 3	--	0.00	0.00	0.25	0.00	15.77	11.12	--	0.30	14.99	10.44	0.70	3.67	0.00	RE	0.00
Boulder Cr Locatelli	29.34E	0.00	0.00	0.00	0.00	7.51E	4.28	5.16	0.35	5.62	5.00	0.53	1.29	0.00	0.00	0.00
Corralitos	90.69	0.15	0.05	0.50	0.00	17.75	11.73	27.39	1.14	15.53	11.55	0.72	3.63	0.00	0.00	0.00
Crest Ranch																
Davenport	37.11	0.03	0.14	0.32	0.00	6.33	6.14	4.46	0.34	5.19	6.95	0.10	2.06	0.00	0.00	T
Los Gatos 4SW	62.27	0.48	0.10	0.50	0.00	12.22	9.00	13.25	0.75	13.57	9.95	0.33	1.72	0.00	T	0.00
Santa Cruz	40.57	0.32	0.10	0.15	0.05	6.17	6.37	8.74	0.74	7.26	8.26	0.40	1.51	0.00	0.00	0.00
Sunset Beach St Park	28.27	0.55	0.00	0.14	0.00	4.52	4.42	5.44	0.35	5.51	5.76	0.40	1.13	0.00	0.00	0.00
Wilder Ranch	38.21	0.24	0.06	0.09	0.00	6.78	6.52	8.51	0.67	6.51	6.73	0.27	1.73	--	--	--
PAJARO-SAN BENITO RIVERS (DI)																
Buena Vista	--	0.63	0.00	0.53	0.00	2.36	4.33	3.76	0.43	--	--	0.20	0.21	0.00	0.00	--
Buzzard Lagoon	55.33	0.00	0.00	0.23	0.00	9.24	3.86	14.35	0.77	11.00	8.94	0.91	1.73	0.00	0.00	0.00
Chittenden Pass	31.94	0.22	0.00	0.10	0.06	4.05	5.93	6.92	0.34	5.46	7.73	0.26	1.22	0.00	T	0.00
Chittenden	28.13	0.20	0.00	0.09	0.00	3.85	2.43	6.74	0.31	5.20	7.44	0.28	1.24	0.00	T	0.00
Cienega	26.05	0.51	0.00	0.42	0.00	3.06	5.37	5.39	0.36	4.57	6.20	0.14	0.03	0.00	0.36	0.00
Freedom 3NW	--	0.34E	0.00	0.00	0.00	7.36E	9.60	--	0.48	12.13	8.45	--	--	0.00	0.00	0.00
Gilroy	32.62	0.38	0.00	0.15	0.00	4.20	5.69	8.00	0.20	6.07	6.70	0.23	0.91	0.00	T	0.01
Gilroy 14 ENE	31.90	0.30	0.00	0.04	0.00	4.12	5.99	8.71	0.22	6.07	11.27	0.39	0.76	0.00	0.00	0.00
Hernandez 2 NW	23.03	0.65	0.00	0.74	0.00	2.72	4.37	4.40	0.52	4.23	4.48	0.28	0.05	0.00	0.00	0.65
Hernandez 7 SE	30.17	0.68	0.00	0.74	0.00	2.86	4.36	5.32	0.55	6.19	4.73	0.10	0.09	0.00	0.10	0.49
Hollister	13.90	0.43	T	0.17	0.00	1.75	3.94	4.08	0.38	3.18	4.36	0.19	0.42	0.00	T	0.01
Hollister 2	--	0.43	0.00	0.3	0.0	1.7	4.1	4.2	0.4	3.0	--	0.2	0.3	0.0	0.0	--
Hollister 10 ENE	--	0.53	0.00	0.18	0.00	3.60	6.37	--	--	4.30	9.57	0.52	0.57	0.00	0.00	0.00
Morgan Hill 2 E	31.04	0.32	0.00	0.15	0.00	4.88	4.01	8.81	0.18	6.59	5.36	0.20	0.94	0.00	T	0.00
Morgan Hill SCS	34.4	0.3	0.0	0.1	0.0	5.2	5.2	10.5	0.2	7.3	5.0	0.1	0.5	0.0	0.0	0.0
Mount Madonna	50.24	0.31	0.00	0.26	0.00	7.48	8.43	13.97	0.63	8.77	7.47	0.75	2.27	0.00	0.00	0.00
Mount Madonna Co Pk	46.27	0.35	0.00	0.16	0.00	7.36	7.65	12.92	0.82	8.11	5.28	0.72	2.12	0.02	0.01	0.00
Palatka 3 NW	22.55	0.32	T	0.32	0.00	2.10	5.94	4.75	0.38	3.62	5.24	0.12	0.11	0.00	0.15	0.00
Palatka 3 NW	25.45	0.56	0.00	0.28	0.00	2.68	5.03	4.69	0.61	3.56	7.02	0.32	0.41	0.00	0.05	0.00
Palatka 3 NW	25.52	0.56	0.00	0.28	0.00	3.09	5.03	4.64	0.54	4.19	6.55	0.24	0.41	0.00	0.00	0.00
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*Amount included in following measurement. Time distribution unknown.

TABLE A-2

PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																
	Total July 1 To June 30	1966						1967						Total Oct. 1 To Sept. 30			
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug	Sept.
CENTRAL COASTAL AREA																	
PAJARO-SAN BENITO RIVERS (11) (CONT.)																	
Upper Tres Pinos	--		0.40g	0.00	1.48	3.74	4.66		0.31	3.39	3.43	0.22	--	0.00	0.00	0.29	--
Watsonville Watershed	32.77	0.32	T	0.04	4.77	5.17	7.34		0.36	6.42	6.67	0.31	1.29	0.00	0.00	0.00	32.37
LOWER SALINAS RIVER (12)																	
Arroyo Seco	--	0.35	0.00	0.60g	4.34g	11.25	6.28	0.49	7.71	--	--	0.24	0.17	0.00	0.00	0.18	--
Del Monte	18.05	0.17	0.00	0.18	2.81	2.67	2.97	0.32	2.84	5.33	5.33	0.15	0.61	0.00	0.00	0.14	17.94
Fremont Peak	35.77	0.18	0.00	0.28	3.37	7.77	7.24	0.67	5.48	0.12	0.79	0.79	0.90	0.00	0.00	0.12	35.43
Gonzales 9 ENE	--	0.40	0.00	0.22	1.67	3.13	3.67	0.35	2.60	5.03	5.03	0.21	--	0.00	0.00	0.06	--
Greenfield Baker	13.31	0.18	0.00	0.11	1.14	2.68	2.65	0.25	1.78	4.18	4.18	0.18	0.16	0.00	0.00	0.62	13.64
Hansen Valley	20.92	0.26	0.00	1.00	2.51	4.17	3.17	0.34	4.16	4.97	4.97	0.25	0.09	0.00	0.00	0.54	29.29
King City	15.12g	0.00	0.00	0.21	1.75	3.20	3.30	0.40g	2.30	3.26	3.26	0.15	0.05	0.00	0.00	0.49	15.40g
Monterey	29.99	0.28	0.09	0.32	4.74	4.18	5.29	0.45	5.48	7.11	7.11	0.40	1.96	0.06	0.00	0.17	24.55
Paloma	30.70	0.46	0.09	0.20	3.54	5.79	5.64	0.32	6.21	7.45	7.45	0.53	0.46	T	0.00	0.69	40.64
Pinnacles Nat Mon	23.03	0.47	0.00	0.23	2.53	3.25	5.29	0.34	3.30	7.22	7.22	0.20	0.15	0.00	0.00	0.14	22.47
Priest Valley	32.97	1.00	0.00	0.48	3.31	8.27	5.52	0.75	7.09	5.94	5.94	0.51	0.10	0.00	0.04	0.11	31.64
Salinas 2 E	20.39	0.23	0.00	0.18	2.23	3.73	4.40	0.33	2.93	5.69	5.69	0.09	0.58	0.00	0.00	0.16	20.14
Salinas FMA Ap	19.08	0.23	0.03	0.23	T	3.62	3.39	0.14	2.44	5.68	5.68	0.08	0.58	0.00	T	0.15	18.74
Salinas de Dumierre	22.17	0.23	0.03	0.33	2.22	4.31	4.00	1.08	3.06	5.68	5.68	0.60	0.27	T	0.00	0.15	21.73
San Ardo	16.92	0.17	0.00	0.44	2.20	3.84	2.98	0.22	3.08	2.97	2.97	0.33	0.69	0.00	0.00	0.34	16.65
Slack Canyon	22.57	0.00	0.00	0.25	0.00	2.32	3.83	0.48	4.48	4.56	4.56	0.20	0.15	0.00	0.00	0.13	22.52
Soldado Crp	14.52	0.25	0.00	0.06	T	2.83	2.93	0.35	2.45	4.03	4.03	0.15	0.14	0.00	0.00	0.05	14.28
Speckle Hwy Bridge	18.88	0.19	0.00	0.53	0.00	1.17	3.18	0.26	1.91	4.45	4.45	0.05	0.26	0.00	0.00	0.03	14.14
Speckle	18.88	0.70	0.00	0.30	2.15	3.04	3.55	0.51	2.61	5.34	5.34	0.10	0.54	0.00	0.00	0.21	13.09
Speckle	18.53	0.54	0.00	0.28	1.40	3.29	3.78	0.59	2.76	4.97	4.97	0.08	0.53	0.00	0.00	0.27	17.54
UPPER SALINAS RIVER (13)																	
Atascadero McInt Stn	28.87	0.04	0.00	0.29	0.00	0.00	9.53	5.14	0.70	6.74	5.90	0.09	0.00	0.00	0.00	0.72	26.28
Bradley	15.55	0.15	0.00	0.06	1.40	3.93	2.75	0.30	2.68	4.13	4.13	0.10	0.00	T	0.00	0.35	15.69
Bryson	40.46	0.22	0.00	0.20	4.11	13.24	7.40	0.40	7.86	4.13	4.13	0.41	0.00	0.00	0.00	0.30	40.43
Cholame-Alley Ranch	--	3.19	0.00	0.13	1.26	4.67	1.13	0.33	0.33	5.79	5.79	0.00	0.00	0.00	0.00	0.50	--
La Panza Ranch	--	0.05	0.00	0.71	1.40	2.61	2.61	0.26	--	--	--	--	0.00	0.00	0.00	0.50	--
Linn Ranch	24.49	0.10	0.00	0.08	2.70	7.64	4.15	0.31	5.57	4.14	4.14	0.00	T	0.02	0.00	0.68	25.21
Lockwood Ranch	22.40	0.22	0.00	0.00	2.61	4.55	3.58	0.40	3.53	4.44	4.44	0.08	0.00	0.00	0.00	0.28	19.47
Reynolds Dam	25.56	0.30	0.00	0.27	2.76	7.90	4.22	0.45	4.62	4.44	4.44	0.08	0.02	0.07	0.00	0.43	25.54
Rockfield	22.40	0.24	0.00	0.15	1.95	6.31	3.66	0.82	3.76	5.41	5.41	0.00	0.00	0.00	0.00	1.18	23.70
Parkfield T NPN	--	0.53	0.00	0.14g	1.00	4.46	--	0.27	2.68	3.37	3.37	0.26	0.02	0.00	0.00	1.05	--

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																
	Total July 1 To June 30	1966						1967						Total Oct. 1 To Sept. 30			
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
CENTRAL COASTAL AREA																	
UPPER SALINAS RIVER (D3) (CONT.)																	
Paso Robles	23.95	0.08	0.00	0.11	0.00	2.43	8.60	3.93	0.35	3.99	4.41	0.03	0.02	T	0.00	0.79	24.55
Paso Robles 5 NW	25.46	0.10	0.00	0.07	0.00	3.09	8.12	4.45	0.33	4.94	4.73	0.00	0.03	0.00	0.00	1.06	26.35
Paso Robles FAA Ap	21.13	0.17	T	0.16	0.00	2.77	6.79	3.12	0.33	3.32	4.51	0.01	T	0.02	0.00	0.28	21.15
Salinas Dam	35.89	0.05	0.00	1.13	0.00	3.23	10.61	6.32	0.94	6.35	6.68	0.15	0.40	0.00	0.00	1.11	35.92
San Antonio Mission	29.83	0.23	0.00	0.13	0.00	3.55	10.63	5.21	0.51	5.17	4.12	0.16	0.12	0.00	0.00	0.50	30.27
Santa Margarita 2 SW	50.45	0.13	0.00	0.67	0.03	5.75	14.93	8.87	0.87	8.89	9.73	0.33	0.45	0.00	0.00	1.21	50.86
Santa Margarita Bvtr	51.65	0.14	0.00	0.61	0.01	5.46	15.94	8.92	0.83	8.79	9.93	0.20	0.43	T	0.00	1.32	52.17
Templeton	28.83	0.04	0.00	0.10	T	3.32	9.86	5.25	0.56	4.68	4.97	0.06	0.04	0.00	0.00	0.62	29.31
Valleton	--	0.22	0.00	0.19	0.00	1.96	3.66	2.37	0.31	3.20	--	0.25	0.00	0.00	0.00	0.22	--
MONTEREY COAST (D4)																	
Big Sur State Park	60.44	0.12	T	0.23	0.00	9.60	11.89	13.94	1.09	9.34	12.41	0.63	1.14	0.00	0.00	0.18	60.27
Carmel Valley	25.17	0.31	0.00	0.23	0.00	3.13	4.99	4.89	0.51	4.55	5.70	0.24	0.72	0.00	0.00	0.10	24.73
Lucia Willow Springs	36.23	0.20	0.00	0.09	0.00	6.55	7.37	8.08	0.83	6.47	5.87	0.20	0.52	0.00	0.00	0.25	36.19
Roosevelt Ranch	46.28	0.25	T	0.23	0.00	7.35	9.38	9.42	1.16	6.87	10.10	0.63	0.86	0.00	T	--	--
San Clemente Dam	30.47	0.27	0.00	0.18	0.00	3.74	6.41	5.99	0.53	5.82	6.75	0.19	0.59	0.00	0.00	0.13	30.15

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation in Inches												Total Oct. 1 To Sept. 30			
		1966						1967									
		July	Aug	Sept	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June		July	Aug	Sept.
SAN FRANCISCO BAY AREA																	
SAN FRANCISCO BAY (EO)																	
S. E. Peralton	22.43	0.00	0.15	0.46	0.00	4.37	3.77	6.39	0.09	2.71	2.43	0.11	1.90	0.00	0.00	0.04	21.36
COAST - MARTIN (EI)																	
Muir Woods	51.80	0.00	0.32	0.04	0.03	8.44	6.36	13.56	0.33	7.67	6.57	0.20	3.23	0.00	0.00	0.12	51.54
MARTH-GREMA (E2)																	
Kentfield	74.13	0.00	0.19	0.11	0.00	14.43	10.12	26.32	0.71	10.53	7.03	0.27	3.42	0.00	0.00	0.00	73.43
Mill Valley	53.19	0.00	0.09	0.03	0.00	13.83	6.03	16.33	0.49	6.59	6.45	0.12	2.59	0.00	0.00	0.00	53.02
Novato Fire House	38.23	0.00	0.10	0.13	0.00	6.95	5.55	13.03	0.49	5.21	5.12	0.05	1.70	0.00	0.00	0.00	38.05
Oakville & ST No 2	--	0.00	0.29	0.00	0.00	10.35	3.24	--	0.50	9.73	--	0.40	3.20	0.00	0.00	0.10	--
Petaluma FS No 2	36.94	0.00	0.11	0.05	0.00	6.42	5.47	12.73	0.40	4.47	4.06	0.07	2.02	0.00	0.00	0.03	36.71
Petaluma Burns	42.66	0.00	0.23	0.05	0.00	7.60	6.80	15.16	0.45	5.67	4.54	0.14	1.97	0.00	0.00	0.03	42.30
Phoenix Lake Dam	78.00	0.00	0.22	0.03	0.00	16.71	11.14	23.09	0.83	11.37	9.73	0.30	4.43	0.00	0.00	0.00	77.70
San Anselmo	62.45	0.00	0.00	0.01	0.00	13.33	10.44	19.60	0.50	3.86	6.79	0.00	2.92	0.00	0.00	0.00	62.44
San Rafael	59.04	0.00	0.11	0.06	0.00	11.00	9.35	20.23	0.34	8.43	6.46	0.00	2.33	0.00	0.00	0.00	58.99
San Rafael No 1	59.27	0.00	0.09	0.03	0.00	11.73	8.97	21.03	0.76	3.09	6.02	0.19	2.40	0.00	0.00	0.00	59.13
Sonoma	38.64	0.05	0.07	0.10	0.00	7.59	5.54	12.64	0.34	4.23	5.69	0.20	2.23	0.00	0.00	0.02	38.44
Thompson Valley	43.63	0.00	0.22	0.20	0.00	8.67	6.12	17.71	0.74	6.64	7.11	0.26	1.21	0.00	0.00	0.06	43.36
Tiburon Topian	38.20	0.00	0.15	0.10	0.00	5.30	5.03	14.93	0.30	4.91	5.73	0.13	1.47	0.00	T	0.00	37.64
NAPA-SOLAND (E3)																	
Angeles PIC	57.17	0.05	0.37	0.03	0.00	11.92	8.72	17.40	0.42	9.03	6.93	0.34	3.06	0.00	0.00	0.13	56.30
Atlas Road	56.96	0.1	0.1	0.0	0.1	11.02	7.68	16.7	0.6	9.5	7.7	0.3	3.2	0.0	0.0	--	--
Callistoga	49.93	T	0.27	0.09	0.00	9.53	7.97	14.92	0.35	7.68	6.45	0.30	2.22	0.00	T	0.13	48.64
Carmichael Valley	46.63	0.05	0.13	0.12	0.00	7.73	5.69	15.51	0.37	7.17	6.46	0.13	3.22	0.00	0.00	0.00	46.41
Collinsville	21.46	0.13	0.09	0.13	0.00	3.13	2.35	6.13	0.52	3.55	3.70	0.10	1.03	0.00	0.00	0.03	21.14
Devonport IS	23.89	0.12	0.10	0.13	0.00	3.69	3.83	6.04	0.44	3.36	3.86	0.44	0.93	T	0.00	0.04	23.53
Dartmouth Landing	33.03	0.06	0.23	0.23	0.00	5.00	4.03	10.23	0.31	3.30	4.95	0.12	1.63	0.00	0.00	0.05	32.64
Fairfield	32.23	0.10	0.20	0.17	0.00	5.58	4.63	10.33	0.30	4.41	4.84	0.32	1.32	0.00	0.00	0.00	31.83
Fairfield Police Sta	31.43	0.03	0.13	0.37	0.00	5.63	4.30	9.00	0.31	4.17	4.73	0.12	1.45	T	0.00	0.00	31.43
Green Valley	45.76	0.09	0.03	0.13	0.00	8.59	5.69	13.17	0.36	8.24	6.03	0.31	2.77	0.00	0.00	0.05	45.51
Lake Curry	41.53	T	0.13	0.04	0.00	3.46	6.02	12.25	0.47	7.03	4.71	0.16	2.25	0.00	0.00	0.03	41.44
Mare Island Navy	24.32	0.05	0.10	0.19	0.00	5.46	3.72	9.46	0.33	4.62	4.81	0.10	1.03	0.00	0.00	0.04	24.02
Napa 5 NW	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Napa State Hospital	37.12	0.04	0.13	0.06	0.00	6.61	4.55	11.65	0.46	6.03	5.42	0.12	1.95	0.00	0.00	0.00	36.00
Oauville 1 NW	--	--	0.06	0.27	0.00	0.29	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation in Inches												Total Oct. 1 To Sept. 30		
		1966						1967								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.
SAN FRANCISCO BAY AREA																
NAPA - SOLANO (E3) (CONT.)																
Saint Helena	49.12	0.05	0.32	0.23	0.00	9.83	7.13	16.91	0.38	7.13	5.01	0.24	1.89	0.00	0.00	0.10
St. Helena & NSW	--	0.0	0.2	0.1	0.0	11.9	8.2	17.5	0.6	9.9	7.9	--	3.5	0.0	0.0	0.1
Veterans Home	53.30	0.20	0.28	0.07	0.00	10.77	8.15	16.32	0.48	7.69	7.47	0.09	1.78	0.00	0.00	0.07
Wild Horse Valley	43.93	0.07	0.20	0.10	0.00	8.44	6.24	14.84	0.76	8.14	6.68	0.34	3.12	0.00	0.00	0.08
Yountville Gamble	47.82	0.00	0.28	0.06	0.01	11.02	6.77	12.08	1.72	7.14	6.13	1.30	1.31	0.00	0.42	0.31
EAST BAY (E4)																
Alamo 1 N	35.18	0.17	0.20	0.16	T	5.04	3.93	11.53	0.32	6.95	5.75	0.38	0.95	T	T	0.03
Berkeley	33.09	0.09	0.17	0.13	0.00	4.92	4.43	10.34	0.35	5.60	5.73	0.07	1.21	0.00	0.00	0.02
Burton Ranch	34.66	0.16	0.17	0.16	T	5.61	4.03	10.44	0.94	6.32	6.09	0.25	0.89	0.00	T	0.03
Concord 3 E	24.73	0.18	0.15	0.18	0.00	3.20	2.64	7.77	0.22	4.39	5.25	0.55	0.70	0.00	0.00	0.06
Crockett	30.11	0.07	0.12	0.36	0.00	4.88	3.53	9.94	0.37	5.05	4.88	0.15	0.76	0.00	0.00	0.04
Hayward 6 ESE	36.46	0.16	0.08	0.14	0.00	5.24	3.67	11.85	0.50	6.68	6.86	0.33	0.95	0.00	0.00	0.00
Lafayette 2 NNE	35.58	0.12	0.13	0.12	0.00	5.51	4.16	11.96	0.22	7.02	5.60	0.15	0.99	0.01	T	0.00
Martinez 3S	31.65E	0.14	0.18	0.14	0.00	4.47E	4.92	10.13	0.40	5.95	5.14	0.12	0.49	0.00	0.00	0.06
Martinez 3 SSE	32.43	0.98	0.20	0.13	T	4.62	4.34	10.23	0.33	6.29	5.06	0.09	0.56	0.00	T	0.04
Martinez Fire Stn	27.05	0.07	0.18	0.02	0.00	2.92	3.67	9.66	0.45	4.87	4.50	0.19	0.82	0.00	0.00	0.14
Mount Diablo N. Gate	33.95	0.20	0.05	0.17	0.00	5.30	4.01	12.00	0.35	5.15	5.43	0.30	0.99	0.00	0.00	0.05
Oakland 39th Ave	35.78	0.19	0.13	0.14	T	5.52	4.46	11.21	0.60	6.58	5.50	0.12	1.33	0.00	T	0.03
Oakland City Hall	--	0.01	0.08	0.13	T	4.67	3.36	--	T	4.33	5.56	0.00	--	0.00	0.00	T
Oakland WB AP	27.08	0.14	0.06	0.09	T	3.86	3.51	8.90	0.27	4.62	4.46	0.12	1.05	0.00	T	0.01
Port Chicago NAD	22.90	0.18	0.17	0.18	0.00	2.96	2.70	6.65	0.29	4.61	4.17	0.06	0.93	0.00	0.00	0.06
Richmond	31.11	0.05	0.08	0.14	0.00	5.93	4.64	8.21	0.38	5.32	5.14	0.07	1.15	0.00	0.00	0.02
Saint Marys College	38.59	0.15	0.17	0.16	0.00	6.47	4.29	12.84	0.99	7.31	5.93	0.28	1.00	0.00	0.00	0.04
Upper San Leandro F11	32.49	0.15	0.14	0.15	0.00	5.03	4.18	10.20	0.37	5.23	5.80	0.09	1.15	0.00	0.00	0.02
Walmar School	33.75	0.14	0.14	0.19	0.00	4.90	2.77	12.15	0.39	6.69	5.75	0.00	0.63	0.00	0.00	0.00
Walnut Creek 2 ENE	30.45	0.16	0.17	0.17	0.00	4.91	3.54	9.39	0.24	5.59	5.43	0.20	0.68	0.00	0.00	0.04
Walnut Creek 2 ESE	27.93	0.20	0.21	0.18	0.00	4.04	3.15	9.20	0.20	4.80	4.96	0.22	0.67	0.00	0.00	0.03
Walnut Creek 4 E	27.04	0.17	0.16	0.18	0.00	4.11	2.95	8.45	0.22	4.85	5.04	0.27	0.64	T	T	0.04

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation In Inches												Total Oct. 1 To Sept. 30			
		1966						1967									
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug	Sept.
SAN FRANCISCO BAY AREA																	
ALAMEDA CREEK (E5)																	
Calaveras Reservoir	30.42	0.27	0.00	0.21	0.00	5.33	2.51	8.39	0.66	5.89	6.62	0.33	0.22	0.00	0.00	0.00	29.04
Gerber Ranch	26.72	0.26	0.00	0.02	0.00	4.56	3.69	7.05	0.20	6.21	3.97	0.23	0.53	0.00	0.00	0.00	26.44
Livermore County FD	22.82	0.18	0.00	0.11	0.00	3.58	2.94	6.88	0.20	4.43	4.43	0.13	0.52	0.00	0.00	0.02	22.55
Livermore Sewage Pl	24.42	0.18	0.00	0.00	0.00	3.75	2.78	7.44	0.28	5.12	4.31	0.08	0.37	0.00	0.00	0.00	21.46
Livermore 2 SW	21.96	0.17	0.00	0.11	0.00	3.43	2.35	6.14	0.29	4.15	4.65	0.19	0.43	0.00	0.00	0.02	21.70
Mount Hamilton	22.35	0.23	0.00	0.20	0.00	3.95	2.96	5.31	0.11	2.75	6.24	0.30	0.40	0.00	0.00	0.00	21.92
Newark	18.27	0.24	0.00	0.13	0.00	2.71	2.28	5.63	0.25	2.89	3.57	0.11	0.51	0.00	0.00	0.00	17.00
Niles Plains	28.53	0.28	0.15	0.00	0.00	4.37	3.00	8.31	0.39	4.89	6.40	0.05	0.69	0.00	0.00	0.00	28.10
Pleasanton Nursery	32.16	0.15	T	0.09	0.00	4.75	3.33	10.57	0.43	5.72	6.62	0.12	0.38	0.00	0.00	0.02	31.04
SANTA CLARA VALLEY (B6)																	
Alamonte Perc Pond	25.91	0.24	0.00	0.11	0.00	4.86	2.92	7.71	0.24	5.97	3.83	0.01	0.02	0.00	0.00	0.00	25.56
Alamonte Reservoir	50.26	0.28	0.02	0.18	0.00	9.09	5.52	15.19	0.79	11.37	9.05	0.35	0.42	0.00	0.00	0.00	49.75
Black Mt 2 SW	46.07	0.18	0.11	T	0.00	7.55	5.96	12.80	0.58	9.52	7.73	0.59	1.00	0.00	0.00	0.00	45.13
Calero Reservoir	31.82	0.26	0.00	0.23	0.00	4.93	4.32	9.72	0.30	7.73	5.17	0.06	0.10	0.00	0.00	0.01	26.41
Cambrian Park	26.79	0.25	0.00	0.13	0.00	5.16	3.08	6.52	0.38	6.97	4.22	0.02	0.06	0.00	0.00	0.00	26.41
Campbell Water Co	25.06	0.23	0.00	0.12	0.00	4.54	3.19	7.24	0.32	5.40	3.96	0.02	0.04	0.00	0.00	0.00	24.71
Coyote Reservoir	33.83	0.42	0.00	0.27	0.00	4.77	4.17	9.54	0.22	5.62	7.39	0.22	1.12	0.00	0.00	0.00	33.14
Gilroy 5 NE	30.99	0.38	0.00	0.12	0.00	3.99	5.19	7.95	0.28	5.30	7.27	0.21	1.30	0.00	0.00	0.00	30.40
Guadalupe Reservoir	45.32	0.15	0.10	0.18	0.00	8.13	4.78	12.78	0.77	10.75	7.29	0.35	0.58	0.00	0.00	0.01	44.90
Leroy Anderson Dam	31.50	0.32	0.00	0.15	0.00	5.35	3.87	8.88	0.17	6.95	5.07	0.26	0.53	0.00	0.00	0.01	31.02
Lexington Reservoir	55.09	0.41	0.02	0.20	0.00	9.61	6.75	13.97	0.77	12.67	9.25	0.16	1.29	0.00	0.00	0.02	54.44
Los Gatos	35.83	0.31	0.01	0.14	0.00	7.00	4.06	9.27	0.48	9.06	5.31	0.07	0.17	0.00	0.00	0.00	35.42
Los Gatos Aft	30.22	0.30	T	0.14	0.00	5.29	3.45	7.77	0.53	7.80	4.79	0.03	0.12	0.00	0.00	0.00	29.73
Morgan Hill 2E	31.04	0.32	0.00	0.15	0.00	4.88	4.01	8.81	0.18	6.59	5.36	0.20	0.44	0.00	0.00	0.00	30.57
Morgan Hill 6 NW	--	0.32E	0.00	0.09E	0.00	6.66	6.04	--	0.27	9.15	5.33	0.09	--	0.00	0.00	0.00	--
Palo Alto City Hall	21.56	0.33	0.03	0.10	0.00	2.93	2.23	7.41	0.13	3.57	4.59	0.14	0.19	0.00	0.00	0.02	21.12
Pentecosta Rain Gage	27.40	0.13	0.04	0.10	0.00	4.26	2.25	6.53	0.40	6.62	5.91	0.19	0.57	0.00	0.00	0.02	27.11
Redwood City	28.90	0.30	0.04	0.10	0.00	4.04	3.56	10.90	0.17	5.44	4.68	0.15	0.82	0.00	0.00	0.00	29.42
San Jose	20.00	0.21	T	0.19	0.00	3.05	2.17	4.87	0.14	5.14	3.89	0.03	0.31	0.00	0.00	0.02	19.62
San Jose Decid FFS	20.63	0.21	0.00	0.13	0.00	3.28	2.72	5.67	0.24	4.43	3.90	0.02	0.13	0.00	0.00	0.01	20.30
Santa Clara Univ	20.79	0.21	0.00	0.17	0.00	3.32	2.77	5.69	0.17	4.56	3.70	0.03	0.17	0.00	0.00	0.00	20.41
Saratoga Creek	31.26	0.34	0.00	0.11	0.00	3.54	2.81	6.53	0.19	4.87	4.81	0.02	0.46	0.00	0.00	0.00	30.81
Saratoga Gap Maint	66.23	1.00	0.00	0.31	0.00	11.45	10.25	17.45	0.60	13.55	9.87	0.59	1.25	0.00	0.00	0.00	64.02
Saratoga Krieger	33.13	0.36	0.01	0.11	0.00	5.43	4.17	9.96	0.40	7.52	4.95	0.02	0.66	0.00	0.00	0.00	32.62
Searsville Lake	42.71	0.24	0.12	0.03	0.00	5.34	4.93	14.56	0.48	8.91	6.81	0.38	0.96	0.00	0.00	0.00	42.27

TABLE A-2

PRECIPITATION DATA CENTRAL COASTAL AREA

Station Name		Total July 1 To June 30	Precipitation in Inches												Total Oct. 1 To Sept. 30			
			1966						1967									
			July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SAN FRANCISCO BAY AREA																		
SANTA CLARA VALLEY (E6) (CONT.)																		
	Stevens Creek Res	46.32	0.50	0.12	0.22	0.00	8.20	5.91	0.53	10.09	7.73	0.13	0.32	0.00	0.00	T	45.43	
	Vasona Reservoir	34.85	0.31	0.01	0.20	0.00	6.53	3.92	0.42	3.63	5.43	0.07	0.15	0.00	0.00	0.11	34.44	
	Wrights	72.46	0.46	0.00	0.39	0.00	12.69	9.82	0.65	17.08	9.93	0.35	1.95	0.00	0.00	T	71.61	
BAYSIDE SAN MATEO (E7)																		
	Burlingame	33.39	0.00	0.09	0.10	0.00	5.12	4.08	0.12	5.24	5.56	0.20	1.18	0.00	0.00	0.02	33.22	
	San Francisco WB AP	30.94	0.03	0.09	0.08	T	4.79	3.96	0.09	5.04	5.31	0.26	0.86	T	T	0.01	30.75	
	San Francisco FOB	20.41	0.02	0.10	0.10	0.01	4.80	3.87	0.22	4.35	4.90	0.09	1.42	0.00	T	0.04	20.19	
	San Mateo	25.69	0.80	0.06	0.00	0.00	3.03	2.70	0.08	4.79	4.48	0.22	0.75	0.00	0.00	T	24.83	
COAST SAN MATEO (E8)																		
	Half Moon Bay	35.43	0.12	0.27	0.25	T	5.18	3.62	0.25	6.18	7.43	0.25	1.44	0.00	0.00	T	34.79	
	La Honda	41.30E	0.12	0.10	0.12	0.00	6.43	5.15	0.22	8.54	6.56	0.70	1.14	0.00	0.00	0.17	41.13E	
	Portola State Park	61.90	T	0.25	0.27	0.00	10.12	7.96	0.94	12.26	9.62	0.69	1.48	0.00	T	T	61.38	
	San Francisco Sunset	31.15	0.02	0.31	0.10	T	4.82	3.74	0.45	4.26	5.24	0.15	1.89	0.00	0.00	0.05	30.77	
	San Gregorio 2 SE	39.96	0.11	0.22	0.17	0.06	5.90	4.45	0.44	7.43	6.28	0.52	1.55	0.00	0.08	0.08	39.62	

TABLE A-2

PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Precipitation in Inches																
	Total July 1 To June 30	1966						1967						Total Oct. 1 To Sept. 30			
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
NORTH COASTAL AREA																	
MENDOCINO COAST (FS)																	
Boonville RMS	46.51	0.00	0.20	0.15	0.00	11.96	7.34	11.05	0.60	8.07	5.39	0.36	1.59	0.70	T	0.02	46.18
Boonville Farrer	63.60	T	0.30	0.23	0.00	15.31	8.99	15.31	0.93	11.12	8.74	0.61	1.53	0.00	0.00	T	63.07
Cloverdale 11W	--	0.00	0.23	0.11	0.00	11.83	12.71E	--	--	13.12	7.90	--	--	0.00	0.00	--	46.47
Fort Bragg	46.63	0.03	0.22	0.44	0.12	9.92	7.22	9.28	1.03	9.33	7.59	1.12	0.33	0.06	0.02	0.45	46.47
Fort Bragg Aviation	43.30	0.03	0.16	0.42	T	9.35	6.23	9.12	0.97	0.30	6.72	0.72	0.28	0.00	0.00	T	42.69
Fort Ross	39.70	T	0.26	0.21	T	8.03	6.16	10.73	0.99	6.09	4.28	0.28	2.67	T	0.00	0.07	39.30
Marro 1 NW	41.81	0.00	0.10	0.45	0.00	7.09	5.99	10.36	0.83	8.91	6.14	0.69	0.75	0.00	0.00	0.10	41.36
Philo 2 NW	45.56	0.00	0.00	0.25	0.00	9.72	7.19	11.42	0.71	10.02	5.15	0.51	1.12	0.00	0.00	0.00	45.31
Philo 4 NW	49.65	0.00	0.27	0.24	0.00	10.60	7.50	11.70	0.80	10.02	6.69	0.71	1.12	0.00	0.00	0.23	49.37
Point Arena	44.60	0.06	0.29	0.19	0.00	10.51	6.39	9.52	0.93	8.79	6.05	0.49	1.39	T	0.05	0.19	44.30
Shaggs Spr Las Lomas	74.43	0.00	1.38	0.20	0.00	16.78	10.97	22.96	0.65	10.63	8.04	0.44	2.38	0.00	0.00	0.10	72.95
Yorkville	--	0.0E	0.1E	0.1E	0.0E	16.3E	10.4E	--	--	--	6.6	0.4	--	0.0	0.0	0.0	--
RUSSIAN RIVER (FS)																	
Alpine Dam	66.64	0.00	0.27	0.07	0.00	11.77	7.95	23.11	0.44	9.71	7.64	0.53	5.15	0.00	0.00	0.00	66.30
Blakes Landing	40.06	0.00	0.20	0.15	0.00	7.69	6.05	12.95	0.65	5.38	4.63	0.25	2.11	0.00	0.00	0.00	39.70
Bon Tempe Dam	59.83	0.00	0.14	0.07	0.00	11.73	8.75	17.88	0.55	8.53	7.64	0.37	4.22	0.00	0.00	0.00	59.67
Cazadero	50.15	T	0.21	0.13	0.00	12.78	14.12	23.78	0.65	15.19	9.33	0.31	3.65	0.00	0.00	0.02	89.83
Cloverdale 3 SSE	59.91	0.00	0.09	0.12	0.00	12.72	11.07	15.86	0.65	10.79	6.2	0.25	2.12	0.00	0.01	0.04	59.75
Coyote Dam	38.88	0.00	0.46	0.13	0.04	8.33	6.32	10.22	0.62	6.47	4.69	0.12	1.48	0.00	0.03	0.03	38.35
Geyersville Hooking	42.67	0.00	T	0.00	1.62	10.76	3.17	11.59	1.35	8.21	5.91	0.06	0.00	0.00	0.00	0.15E	42.82E
Graton	59.72	0.00	0.24	0.30	0.00	9.58	9.18	17.90	0.53	7.01	5.74	0.11	2.13	0.00	0.00	0.05	52.23
Graton 1 W	56.15	0.00	0.24	0.29	T	10.86	9.69	18.16	0.55	7.77	6.23	0.08	2.28	0.00	0.00	0.01	55.63
Guerneville	59.28	0.00	0.12	0.17	0.00	11.44	9.90	19.25	0.37	8.68	7.19	0.14	2.02	0.00	0.00	0.00	58.64
Headlands	57.75	T	0.11	0.11	T	13.20	10.12	16.37	0.41	8.60	6.49	0.17	2.17	0.00	0.00	0.02	57.55
Headlands No 2	54.21	0.00	0.20	0.13	0.00	12.53	9.43	14.04	0.53	8.35	6.68	0.16	2.11	0.00	0.00	0.04	53.02
Hopland Largo Sta	--	0.00	0.05	0.25	0.00	9.28	--	9.87	0.33	7.53	7.64	0.25	1.32	0.00	0.00	0.02	--
Inverness Ferry	53.80	T	0.40	0.40	0.00	12.00	9.70	17.80	0.50	8.45	7.06	0.39	3.12	0.00	T	0.00	58.00
Kellough	66.95	0.00	0.34	0.77	T	14.50	9.98	19.52	0.55	10.72	7.06	0.39	3.12	0.00	0.00	0.22	66.06
Kent Lake	85.13	0.00	0.27	0.42	0.01	19.16	12.22	26.38	0.60	11.01	9.26	0.36	5.49	0.00	0.00	0.05	94.64
Knights Valley	56.88E	0.00E	0.39E	0.47	0.00	10.78	19.21	16.77	0.49	9.90	6.20	0.47	2.58	0.00	0.00	0.12	56.12
Lagunitas Lake	78.53	0.00	0.23E	0.34	0.00	20.59	10.94	17.99	0.60	11.40	10.75	0.37	5.06	0.00	0.00	0.00	77.61
Mt. Tomaspain 2 SW	53.32E	0.00	0.13E	0.68E	0.00E	9.79E	7.16	20.06	0.27	7.81	6.43	0.22	3.90	0.00	0.00	0.00	55.73E
Nicasio	58.03	0.00	0.00	0.19	0.00	12.50	10.56	17.89	0.91	7.21	5.99	0.43	2.36	0.00	0.00	0.01	57.86

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation In Inches														Total Oct. 1 To Sept. 30	
		1966						1967									
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.		Sept.
NORTH COASTAL AREA																	
RUSSIAN RIVER (PS) (CONT.)																	
Navato 8 WSW	36.75	0.00	0.28	0.21	0.00	6.11	4.79	13.46	0.19	4.82	4.77	0.24	1.83	0.00	0.00	0.00	36.26
Occidental	70.02	0.00	0.32	0.27	0.00	16.14	10.41	21.03	0.70	9.91	7.35	0.31	3.58	0.00	0.00	0.12	69.55
Porter Valley 3 SE	36.34	0.00	0.46	0.25	0.04	7.72	5.16	10.73	0.45	6.38	4.12	0.16	0.87	0.00	0.00	0.13	35.76
Porter Valley FH	53.38	0.00	0.45	0.06	0.04	12.61	7.82	15.09	0.29	9.36	5.75	0.98	1.03	0.00	0.00	0.00	52.87
Redwood Valley	--	0.00	0.37	0.07	0.00	7.99	5.82	11.07	0.34	--	4.13	0.12	--	0.00	0.03	0.00	--
Santa Rosa Sewage Plt	40.42	0.00	0.13	0.27	0.00	7.76	6.92	11.03	0.50	5.40	5.96	0.11	2.29	0.00	0.00	0.06	40.08
Santa Rosa	42.33	0.00	0.12	0.35	0.01	7.61	6.55	12.42	0.58	5.86	6.72	0.17	1.94	0.00	0.00	0.07	41.93
Sebastopol 4 SSE	40.6	0.0	0.2	0.1	0.0	6.7	5.7	13.7	0.5	5.8	5.5	0.1	2.3	0.0	0.0	0.0	40.3
The Geysers	--	0.00	0.00	0.15	0.00	17.89	13.43E	--	0.45	14.92	7.52	0.47	3.08	0.00	0.03	0.05	--
Ukiah	43.16	0.00	0.34	0.11	0.00	9.90	6.61	11.76	0.59	7.46	4.79	0.23	1.37	0.00	0.03	0.01	42.75
Ukiah 4 WSW	54.99	T	0.41	0.21	0.01	12.69	8.81	15.04	0.85	9.26	5.85	0.66	1.20	T	0.03	0.06	54.46
Venado	--	0.00	0.26	0.15	0.00	17.46	13.45	21.80	0.41	12.60	--	0.28	3.02	0.0	0.0	0.0	--
Woodacre	62.84	0.01	0.21	0.33	0.00	11.93	9.61	20.34	0.49	9.03	7.93	0.24	2.72	0.00	T	0.06	62.35

Temperature Data

The definition of terms and the abbreviations used in connection with temperature data are as follows:

- Maximum - The highest temperature of record for the month.
- Minimum - The lowest temperature of record for the month.
- Avg Max - The arithmetic average of daily maximum temperatures for the month.
- Avg Min - The arithmetic average of daily minimum temperatures for the month.
- Average - The arithmetic average of the daily maximum and minimum temperatures for the month.
- RE - Record ends.
- RB - Record begins.
- = - No record or record incomplete.

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr	May	June	July	Aug	Sept.
CENTRAL COASTAL AREA															
SANTA CRUZ (10)															
BEN LOMOND NO 2	Maximum 42 Avg Max 46.4 Avg Min 40.4 Average 45.1	98 42 85.8 48.1 67.0	96 38 84.9 44.1 64.5	96 27 64.3 38.9	94 27 64.3 41.9 53.1	73 24 61.8 37.1 49.5	76 22 62.9 34.1 48.5	92 26 69.6 34.0 51.8	75 26 64.3 38.1 51.2	64 31 55.9 37.7 46.9	67 31 73.3 43.5 58.4	95 43 71.9 48.9 60.4	04 -- -- --	RE	
BEN LOMOND NO 3	Maximum 45 Avg Max 49.7 Avg Min 45.8 Average 47.8	73 46 63.0 50.1 56.6	87 46 67.2 52.2 59.7	91 45 66.6 49.8 58.2	93 43 63.1 56.4 49.6	67 37 53.9 45.0 52.0	66 40 53.5 45.9 52.2	67 40 58.9 45.0 52.0	60 38 55.9 44.3 50.1	57 39 54.0 43.2 48.6	74 42 59.7 47.2 53.4	62 47 57.6 49.1 53.4	75 47 62.8 50.0 56.4	RB	100 47 95.7 52.0 68.9
DAVENPORT	Maximum 45 Avg Max 49.7 Avg Min 45.8 Average 47.8	73 46 63.0 50.1 56.6	87 46 67.2 52.2 59.7	91 45 66.6 49.8 58.2	93 43 63.1 56.4 49.6	67 37 53.9 45.0 52.0	66 40 53.5 45.9 52.2	67 40 58.9 45.0 52.0	60 38 55.9 44.3 50.1	57 39 54.0 43.2 48.6	74 42 59.7 47.2 53.4	62 47 57.6 49.1 53.4	75 47 62.8 50.0 56.4		
SANTA CRUZ	Maximum 44 Avg Max 48.0 Avg Min 43.5 Average 45.8	86 42 74.4 50.4 62.4	97 41 78.6 49.3 64.0	93 37 77.4 46.6 62.0	95 33 65.1 45.0 55.1	70 27 60.9 38.7 50.4	74 31 61.2 39.7 50.5	73 33 65.1 38.5 51.8	72 30 62.2 41.6 51.9	65 33 59.6 40.2 49.4	93 35 73.4 46.5 60.0	73 41 67.0 49.9 58.5	98 44 76.1 51.1 63.6		
PAJARO-SAN BENITO RIVERS (11)	Maximum 47 Avg Max 51.1 Avg Min 46.2 Average 48.2	102 47 89.4 53.1 71.3	98 43 84.6 50.8 67.7	94 36 78.7 45.8 62.3	91 31 66.3 43.3 54.8	66 25 57.3 37.0 47.4	69 27 60.6 37.4 47.5	74 32 63.9 37.1 50.5	75 30 64.8 40.8 52.7	66 35 59.6 40.4 50.0	67 36 78.0 47.6 62.8	95 47 77.5 51.2 64.4	103 49 91.0 52.7 71.9		
GILROY	Maximum 39 Avg Max 46.6 Avg Min 40.4 Average 43.5	98 43 89.0 50.6 69.8	96 34 81.9 45.6 63.8	93 29 78.7 39.9 59.3	92 25 65.6 39.2 52.4	80 16 60.0 37.0 46.0	76 20 62.3 31.6 47.0	79 22 66.1 31.0 48.6	75 22 61.8 35.5 48.6	62 30 56.8 36.6 46.7	65 30 75.6 40.3 53.0	06 40 77.2 46.8 62.0	09 41 90.6 50.7 70.6		
QUINN SAGE HAY CAMP	Maximum 47 Avg Max 51.0 Avg Min 46.3 Average 48.1	98 43 89.0 50.6 69.8	96 34 81.9 45.6 63.8	93 29 78.7 39.9 59.3	92 25 65.6 39.2 52.4	80 16 60.0 37.0 46.0	76 20 62.3 31.6 47.0	79 22 66.1 31.0 48.6	75 22 61.8 35.5 48.6	62 30 56.8 36.6 46.7	65 30 75.6 40.3 53.0	06 40 77.2 46.8 62.0	09 41 90.6 50.7 70.6		
WATSONVILLE WATERWORKS	Maximum 47 Avg Max 51.0 Avg Min 46.3 Average 48.1	98 43 89.0 50.6 69.8	96 34 81.9 45.6 63.8	93 29 78.7 39.9 59.3	92 25 65.6 39.2 52.4	80 16 60.0 37.0 46.0	76 20 62.3 31.6 47.0	79 22 66.1 31.0 48.6	75 22 61.8 35.5 48.6	62 30 56.8 36.6 46.7	65 30 75.6 40.3 53.0	06 40 77.2 46.8 62.0	09 41 90.6 50.7 70.6		

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966							1967							
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
CENTRAL COASTAL AREA LOWER SAHARA RIVER (10°)	Maximum	100	99	98	96	90	79	82	76	59	69	60	102	103	64
	Minimum	40	41	42	43	39	29	29	29	29	30	30	43	43	43
	Ave Max	33.4	30.4	30.1	29.4	28.3	26.8	26.8	26.3	24.2	29.4	25.1	53	53	42
	Ave Min	53.5	52.7	52.1	51.4	49.7	39.3	30.3	24.4	17.4	27.4	22.0	57.7	57.7	61.1
	Average	71.0	71.1	71.2	71.3	70.2	60.3	50.3	41.3	31.3	41.3	41.3	70.0	70.0	70.9
KING CITY	Maximum	63	65	67	68	61	53	53	57	57	67	61	101	101	103
	Minimum	42	43	44	45	39	29	29	29	29	34	41	44	44	43
	Ave Max	32.7	31.4	31.0	31.4	28.3	21.4	21.4	21.4	21.4	27.4	30.4	36.4	36.4	36.4
	Ave Min	43.3	41.1	41.1	41.1	38.1	33.2	33.2	33.2	33.2	34.3	34.3	39.3	39.3	39.3
	Average	50.0	50.0	50.0	50.0	50.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
MANTLEY	Maximum	33	31	34	31	31	32	32	33	34	35	35	90	79	62
	Minimum	41	41	43	44	45	46	46	46	46	47	47	47	47	41
	Ave Max	51.4	51.4	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
	Ave Min	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	Average	51.9	51.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
PINACATE, NAT M R	Maximum	105	107	104	104	104	77	77	75	65	100	104	103	110	102
	Minimum	35	37	37	36	27	22	25	25	27	34	39	43	46	43
	Ave Max	46.8	46.8	46.2	45.0	40.0	33.5	33.5	33.5	33.5	39.5	46.6	103.4	102.5	93.2
	Ave Min	46.6	46.6	47.4	43.1	40.3	34.4	34.4	33.6	35.5	42.1	46.3	51.3	51.3	44.7
	Average	51.7	51.7	51.7	51.7	51.7	40.0	40.0	40.0	40.0	40.0	40.0	76.0	76.0	68.9
FOOT VALLEY	Maximum	102	103	100	100	100	73	73	73	60	95	103	105	104	97
	Minimum	34	36	37	36	26	16	17	23	24	25	33	41	47	43
	Ave Max	46.3	46.3	46.3	46.3	40.3	36.3	37.7	33.3	33.3	37.2	42.4	47.6	49.6	46.2
	Ave Min	46.3	46.3	46.3	46.3	35.3	31.4	33.3	31.4	31.4	37.2	41.3	45.3	45.3	44.9
	Average	51.3	51.3	51.3	51.3	40.0	34.4	34.4	33.6	33.6	37.2	40.0	46.3	46.3	45.6
CALIFORNIA RIVER	Maximum	47	46	45	44	44	70	70	75	85	95	86	96	90	95
	Minimum	46	44	45	46	34	27	27	31	36	36	37	45	40	43
	Ave Max	70.0	70.0	70.0	70.0	66.7	62.0	64.1	63.3	63.3	71.2	74.0	72.7	72.1	71.2
	Ave Min	51.0	51.0	51.0	51.0	46.3	41.3	43.3	42.3	41.2	49.0	51.2	53.3	53.3	55.3
	Average	61.4	61.4	61.4	61.4	60.0	51.7	51.7	52.3	50.5	60.1	62.6	62.6	62.6	63.3
CALIFORNIA RIVER	Maximum	36	36	36	36	36	72	72	71	62	91	76	93	77	95
	Minimum	47	47	47	47	47	33	33	33	33	34	47	44	44	50
	Ave Max	70.0	70.0	70.0	70.0	64.7	63.5	63.5	60.0	57.1	67.3	70.0	71.1	70.2	75.3
	Ave Min	52.0	52.0	52.0	52.0	45.3	39.0	39.0	36.0	36.0	46.5	50.7	51.4	52.4	56.3
	Average	61.4	61.4	61.4	61.4	55.0	51.3	51.3	48.0	46.5	56.8	58.3	61.3	61.3	65.8

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT											
	1966						1967					
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
CENTRAL COASTAL AREA LOWER SALINAS RIVER (12)	(Cont.)											
	Maximum	86	85	90	--	68	72	77	74	64	94	92
	Minimum	51	41	40	--	24	26	31	28	33	35	46
	Avg Max	69.6	68.0	75.0	--	56.5	63.2	65.5	63.4	58.1	72.1	69.6
	Avg Min	55.4	50.9	49.0	--	37.4	37.0	38.5	40.5	39.8	45.9	49.6
SOLEDAD CTF	Average	62.5	59.4	62.0	--	47.0	50.1	52.0	52.0	49.0	59.0	59.6
	Maximum	84	97	93	94	72	80	75	76	65	94	78
	Minimum	44	46	34	33	25	28	32	32	32	38	45
	Avg Max	73.7	76.9	67.5	--	61.2	66.9	65.7	65.2	60.5	71.0	67.0
	Avg Min	49.8	49.9	46.1	--	38.2	37.1	38.0	41.0	40.4	47.7	50.5
SPRECKELS	Average	61.8	63.4	61.4	--	49.7	50.0	51.8	53.1	50.4	59.4	58.8
	Maximum	80	98	--	--	74	80	75	76	65	94	78
	Minimum	46	47	--	--	26	28	32	32	32	38	45
	Avg Max	73.0	76.8	--	--	63.3	66.9	65.7	65.2	60.5	71.0	67.0
	Avg Min	50.8	50.8	--	--	41.5	37.1	38.0	41.0	40.4	47.7	50.5
UPPER SALINAS RIVER (13)	Average	61.9	63.8	--	--	52.4	50.0	51.8	53.1	50.4	59.4	58.8
	Maximum	102	100	94	91	70	78	76	76	68	99	100
	Minimum	45	44	34	30	21	21	27	30	32	37	40
	Avg Max	89.7	85.6	80.4	67.5	59.4	63.9	66.8	66.2	60.1	79.3	79.5
	Avg Min	52.6	51.0	44.8	43.1	35.1	31.1	34.4	39.8	38.2	47.1	49.4
LINN RANCH	Average	71.2	68.3	62.6	55.3	47.2	47.5	50.6	53.0	49.2	63.2	64.4
	Maximum	101	96	90	90	63	67	70	70	64	95	102
	Minimum	47	43	33	32	21	25	29	31	29	35	42
	Avg Max	90.4	83.3	78.7	63.9	55.4	58.5	63.4	62.0	58.6	76.5	80.9
	Avg Min	53.7	51.9	45.6	43.5	36.7	34.5	36.7	40.3	38.1	47.0	50.4
NACIMIENTO DAM	Average	72.1	67.6	62.2	53.7	46.0	46.5	50.0	51.2	48.4	61.3	65.6
	Maximum	105	109	95	94	70	72	74	75	66	98	103
	Minimum	44	42	36	36	27	26	31	32	32	36	42
	Avg Max	93.3	88.6	81.5	66.3	58.3	61.5	64.5	63.0	57.3	79.5	83.8
	Avg Min	48.6	49.2	44.5	43.9	38.3	36.4	38.7	40.8	39.3	46.8	49.3
PASO ROBLES	Average	71.0	75.0	67.2	55.1	48.6	49.0	51.6	51.9	45.3	63.2	66.6
	Maximum	105	105	95	95	70	74	77	75	63	99	103
	Minimum	39	40	35	35	22	22	26	29	31	36	42
	Avg Max	92.1	95.0	87.0	66.8	59.1	62.6	67.4	64.6	60.7	80.9	83.4
	Avg Min	47.1	49.0	46.8	40.8	35.7	32.4	34.4	39.1	37.5	44.4	47.6
	Average	69.6	72.0	66.9	53.8	47.4	47.5	50.9	51.9	49.1	62.7	65.0
	Maximum	104	107	103	104	106	106	104	104	103	109	103
	Minimum	45	45	45	45	45	45	45	45	45	45	45
	Avg Max	97.5	97.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
	Avg Min	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3

TEMPERATURE DATA

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966							1967							
	July	Aug	Sept	Oct.	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
CENTRAL COASTAL AREA															
UPPER SALINAS RIVER (D3)	(Cont.)														
PASO ROBLES PAA AP	Maximum 109 Minimum 66 Avg Max 94.1 Avg Min 52.3 Average 73.2	110 113 98.2 94.7 76.5	104 113 97.2 91.2 51.1 63.3	98 111 92.4 87.2 45.1 63.3	93 94 95.7 95.7 44.1 94.9	69 28 33.2 33.1 43.2	71 25 61.6 35.0 48.3	77 23 59.3 35.8 50.6	74 30 63.5 41.3 52.4	68 31 59.4 39.4 49.4	103 36 81.3 47.1 64.2	107 40 84.7 50.6 67.7	110 51 99.3 56.7 78.0	110 50 100.7 56.3 73.5	101 50 91.0 55.7 73.4
SAN ANTONIO MISSION	Maximum 105 Minimum 30 Avg Max 64.5 Avg Min 46.2 Average 70.4	110 110 90 92.2 75.6	107 107 95 92.8 68.0	96 111 96.0 90.9 63.5	93 93 93.5 93.3 53.7	72 22 61.5 34.3 47.9	75 23 64.5 33.7 49.1	76 26 68.9 33.3 51.1	75 27 64.8 36.2 50.2	68 29 60.5 35.4 48.0	100 31 81.6 42.2 61.9	108 36 88.0 46.0 67.0	109 45 103.7 94.4 79.1	112 45 104.7 93.9 79.3	101 46 95.2 51.8 73.5
TEMPLETON	Maximum 103 Minimum 41 Avg Max 90.0 Avg Min 52.8 Average 69.6	107 111 92 93.8 72.8	100 109 85.1 83.2 66.6	94 111 93.5 87.1 61.6	92 91 91.4 83.1 94.2	69 24 57.2 37.7 47.4	71 25 61.7 33.5 47.6	77 23 55.1 36.7 50.0	72 30 62.9 40.5 51.7	66 32 58.1 39.6 48.3	100 37 73.4 45.9 62.2	101 40 79.7 47.9 63.3	107 49 99.5 55.3 75.6	109 42 96.2 54.5 75.4	100 43 89.3 55.0 72.2
MINTEREY COAST (D4)															
CARMEL VALLEY	Maximum 91 Minimum 40 Avg Max 75.4 Avg Min 47.4 Average 61.4	94 101 90 90.5 64.7	101 110 81.0 79.9 49.6 65.3	97 106 79.8 77.5 45.3 63.3	94 94 87.5 87.3 56.4	78 28 63.8 40.9 52.4	73 23 64.9 43.0 52.5	77 34 70.4 39.3 53.9	72 32 62.2 39.9 51.1	64 32 58.2 38.5 48.0	90 36 70.4 45.5 53.0	91 39 67.7 43.6 58.2	97 41 78.5 40.4 64.0	96 42 79.3 40.3 64.7	99 46 92.6 52.7 67.7
ROOSEVELT RANCH	Maximum 94 Minimum 51 Avg Max 71.6 Avg Min 56.7 Average 64.2	95 102 92 93.6 65.1	87 95 73.6 73.7 66.2	85 95 71.0 55.6 63.3	85 93 82.6 53.5 58.0	69 43 59.2 50.7 55.0	72 42 56.3 50.2 55.0	70 44 63.1 59.6 56.3	63 43 58.4 47.7 53.0	66 40 54.4 46.1 59.3	91 47 69.3 52.9 61.1	73 63 63.8 51.3 57.3	81 52 77.3 61.9 69.6	87 51 71.1 57.2 64.2	87 53 70.1 56.5 63.3

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966							1967							
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
SAN FRANCISCO BAY AREA MARTIN-SOLOMA (E2)															
	Maximum	91	96	97	90	86	65	68	67	70	65	91	89	98	92
	Minimum	46	46	47	39	34	29	32	33	33	35	46	46	47	48
	Avg Max	80.9	83.3	82.9	77.0	74.1	64.4	57.1	60.3	61.7	59.8	74.8	73.0	82.9	84.1
	Avg Min	50.0	51.1	48.7	43.7	45.7	42.1	39.9	39.6	41.0	40.3	46.6	49.6	51.2	53.5
	Average	65.5	67.2	67.8	62.9	59.9	53.3	48.5	50.0	51.4	50.0	60.7	61.3	67.1	68.8
PETALUMA FS NO 2															
	Maximum	93	100	100	93	85	66	70	68	70	63	92	87	98	100
	Minimum	45	43	44	36	29	26	26	30	31	33	36	43	46	49
	Avg Max	79.6	83.5	81.2	78.1	73.8	64.9	58.9	60.9	61.1	59.2	73.0	73.1	83.9	83.8
	Avg Min	49.9	51.2	49.2	45.7	44.5	40.6	37.7	37.6	40.6	38.3	45.1	49.7	51.1	54.0
	Average	64.8	67.4	66.7	61.9	59.2	52.8	48.3	49.3	50.9	59.1	61.4	67.5	--	68.9
SAN RAFAEL															
	Maximum	91	92	97	99	84	67	71	70	71	64	93	88	95	91
	Minimum	48	47	48	44	37	35	35	39	37	37	41	49	51	50
	Avg Max	80.1	83.0	82.0	78.3	73.0	66.6	59.9	62.7	63.2	59.5	75.9	74.9	84.0	83.8
	Avg Min	52.0	53.2	55.3	51.6	47.8	44.0	42.7	42.9	44.3	42.2	49.7	51.9	53.8	56.9
	Average	66.1	68.1	68.7	65.0	60.4	55.3	51.3	52.8	53.8	62.8	63.4	68.9	68.9	70.4
SONOMA															
	Maximum	100	105	102	92	87	65	70	70	72	69	95	99	103	100
	Minimum	42	43	41	31	27	25	26	27	28	30	32	43	43	44
	Avg Max	85.7	90.4	86.5	80.7	74.1	64.9	58.8	62.6	63.6	60.6	78.7	79.5	90.5	93.8
	Avg Min	47.2	49.1	47.7	43.5	42.2	39.4	36.9	35.6	38.0	36.4	42.5	43.7	50.4	50.4
	Average	66.5	69.8	67.1	62.1	53.2	47.2	47.9	49.1	48.5	60.6	64.1	70.3	71.5	69.6
MAPA-SOLOMA (E3)															
	Maximum	96	101	98	86	86	60	70	70	70	61	90	94	96	101
	Minimum	42	42	40	32	32	30	27	30	28	28	35	43	47	50
	Avg Max	83.8	88.6	86.6	73.9	77.7	61.0	54.3	59.0	54.5	50.1	73.0	74.4	88.9	92.3
	Avg Min	50.5	54.3	51.3	49.9	44.2	45.0	39.6	41.6	36.9	33.8	47.2	50.0	56.3	60.9
	Average	67.2	71.5	68.0	61.9	51.0	47.0	49.1	45.7	42.0	60.1	62.2	72.6	76.6	69.2
CALISTOGA															
	Maximum	98	103	105	95	91	65	75	79	71	67	94	101	100	102
	Minimum	40	40	37	30	24	21	24	23	25	26	32	40	44	42
	Avg Max	88.4	92.2	91.1	81.0	73.1	56.5	59.7	65.5	60.5	57.6	78.5	80.7	93.5	96.2
	Avg Min	46.8	49.0	46.6	41.1	36.5	33.4	33.4	33.5	34.6	35.5	42.2	50.6	51.6	50.8
	Average	67.6	70.6	68.8	61.0	52.2	46.5	46.6	49.5	47.6	60.4	65.7	72.6	73.5	70.5
DENVERTON 1 S															
	Maximum	101	103	100	89	82	60	66	66	69	65	92	95	101	102
	Minimum	53	53	50	39	28	25	28	27	31	34	39	49	53	53
	Avg Max	83.3	86.3	85.0	77.9	74.4	62.9	55.9	58.2	61.7	58.8	77.0	77.9	89.1	90.7
	Avg Min	52.4	56.1	55.8	44.0	44.2	39.2	35.7	38.1	38.7	40.2	47.5	54.1	59.4	58.3
	Average	70.4	73.7	70.4	63.4	54.3	46.0	45.8	47.2	50.2	62.2	66.0	74.2	74.5	71.8

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966							1967							
	July	Aug	Sept	Oct.	Nov.	Dec.	Jan.	Feb	Mar	Apr	May	June	July	Aug	Sept
SAN FRANCISCO BAY AREA NAPA-SOLANO (E3) (Cont.)	Maximum	96	91	100	88	85	67	65	63	63	90	95	92	93	98
	Minimum	43	40	42	39	33	32	33	34	32	37	39	50	49	51
	Avg Max	75.5	77.3	79.0	74.8	64.6	56.5	53.7	57.5	57.5	71.8	70.1	76.9	73.3	80.1
	Avg Min	50.7	51.8	50.4	46.9	42.6	37.4	38.3	40.1	39.3	46.3	50.8	54.6	53.3	54.0
	Average	63.1	64.6	64.7	60.9	53.6	47.3	47.0	48.5	48.4	59.1	60.5	65.7	65.8	67.1
FAIRFIELD POLICE STA	Maximum	95	99	100	90	86	70	70	71	69	94	96	102	105	97
	Minimum	43	51	49	39	30	27	31	33	32	38	49	52	52	54
	Avg Max	79.5	87.6	86.0	79.7	65.4	57.5	60.7	63.0	66.0	78.7	79.5	90.7	94.5	88.3
	Avg Min	53.7	56.2	56.1	49.3	44.4	37.9	38.9	41.4	39.7	49.4	52.6	57.2	57.2	58.6
	Average	66.6	71.9	71.1	64.5	54.9	47.7	49.8	52.2	52.9	64.1	66.1	74.0	75.9	73.5
MARE ISLAND	Maximum	89	90	95	87	82	65	66	71	67	91	98	93	90	96
	Minimum	55	56	54	47	40	35	41	41	42	45	53	57	53	58
	Avg Max	77.1	77.6	79.1	74.3	63.1	55.3	57.9	61.7	59.3	74.3	73.6	81.3	79.3	81.4
	Avg Min	59.3	58.4	59.3	55.4	51.7	44.1	44.6	46.8	45.6	54.2	57.0	60.0	58.5	61.9
	Average	67.7	68.0	69.4	64.9	57.4	49.0	51.3	54.3	52.5	64.3	65.3	70.9	68.9	71.7
NAPA STATE HOSPITAL	Maximum	96	98	102	93	89	69	70	70	66	92	90	99	93	102
	Minimum	47	48	45	37	31	29	32	31	33	38	48	49	40	40
	Avg Max	80.2	83.1	83.4	78.9	65.1	59.4	62.9	62.2	59.5	75.7	74.3	82.9	84.9	86.4
	Avg Min	51.5	52.8	52.1	43.2	45.1	38.0	38.5	40.3	38.1	47.6	51.6	54.0	53.4	54.3
	Average	65.9	68.0	67.8	63.6	55.1	48.3	49.2	50.7	51.3	61.7	63.0	68.5	69.2	69.9
SAINT HELENA	Maximum	102	106	100	94	92	71	73	72	68	96	96	102	104	101
	Minimum	45	46	43	33	26	28	29	28	30	34	46	46	47	46
	Avg Max	86.4	91.3	86.1	81.8	63.6	59.0	64.7	61.5	57.7	73.7	79.0	90.8	92.3	97.7
	Avg Min	50.2	51.8	50.2	44.3	43.8	37.0	36.9	38.5	37.1	45.3	52.2	53.2	52.7	52.3
	Average	68.3	71.8	68.2	63.1	53.7	48.0	50.8	50.5	47.4	62.0	65.6	71.5	72.5	70.9
VETERANS HOME	Maximum	96	102	98	90	84	67	74	69	67	94	100	104	103	99
	Minimum	48	45	44	34	28	31	33	32	32	35	48	47	46	45
	Avg Max	87.2	87.6	84.5	76.7	65.0	57.7	61.7	62.7	61.1	79.7	79.9	89.2	90.2	95.8
	Avg Min	51.9	53.6	53.2	45.9	44.9	38.5	39.2	39.9	39.4	47.9	53.7	54.3	54.0	53.3
	Average	69.6	70.6	69.8	61.3	55.0	48.1	48.1	50.5	50.3	63.8	66.8	71.3	71.3	69.6
YOUNTVILLE GABLES	Maximum	97	99	90	93	87									
	Minimum	41	40	33	26	26									
	Avg Max	81.6	85.4	80.9	77.4	62.4									
	Avg Min	47.6	47.2	42.4	38.6	41.3									
	Average	64.6	66.3	61.6	58.0	51.8									

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT											
	1966						1967					
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb	Mar	Apr.	May	June
SAN FRANCISCO BAY AREA												
EAST BAY (E4)												
ALAMO 1 N	102	103	99	88	83	63	64	69	69	66	96	99
	36	50	55	39	31	27	30	30	31	33	36	43
Avg Max	84.2	90.9	83.6	75.2	64.3	53.8	55.3	58.2	58.7	60.8	71.6	79.4
Avg Min	50.8	55.1	53.6	47.1	43.6	39.6	36.7	36.4	39.1	39.1	46.8	51.6
Average	67.5	73.0	68.1	61.2	54.0	46.7	46.0	47.3	50.4	50.0	62.2	65.5
BERKELEY												
	--	80	93	86	81	62	67	68	66	61	85	75
Avg Max	--	49	45	45	38	35	37	39	39	37	43	50
Avg Min	--	68.3	71.9	70.4	61.8	55.5	57.3	60.7	58.2	56.0	68.0	64.9
Average	--	--	63.0	52.3	48.7	42.7	43.5	43.4	44.5	43.5	59.2	59.5
	--	--	--	61.4	55.3	49.1	50.4	52.1	51.4	49.8	61.6	61.6
CROCKETT												
	92	100	98	88	82	66	68	67	68	62	89	91
Avg Max	50	82	90	74	64	50	54	54	58	57	73	73.1
Avg Min	81.1	86.1	83.4	76.5	65.1	53.9	55.4	58.2	58.8	58.3	73.4	73.1
Average	64.2	70.7	65.8	61.1	59.3	52.4	59.8	59.0	59.5	58.5	73.4	73.1
	67.7	71.3	69.6	63.8	58.3	48.2	47.6	49.4	52.2	50.5	61.7	62.8
MARTINEZ FIRE STN												
	96	101	96	88	81	63	64	64	68	67	88	95
Avg Max	50	82	90	74	64	50	54	54	58	57	73	73.1
Avg Min	83.0	86.6	83.9	75.6	64.5	53.9	55.7	58.1	58.0	58.2	72.4	76.8
Average	68.3	71.3	69.0	62.4	55.2	47.8	46.5	48.9	51.6	50.9	60.9	64.5
	68.3	71.3	69.0	62.4	55.2	47.8	46.5	48.9	51.6	50.9	60.9	64.5
MOUNT DIABLO N GATE												
	104	107	100	92	90	75	73	74	71	61	94	100
Avg Max	46	47	45	42	33	30	30	31	31	31	35	41
Avg Min	87.4	94.5	82.3	78.1	63.5	56.3	57.7	62.1	58.4	51.4	74.1	76.2
Average	67.5	73.5	69.9	63.0	54.7	48.6	48.5	49.0	49.6	42.1	60.9	64.5
	72.5	75.2	70.6	63.0	54.7	48.6	48.5	49.0	49.6	42.1	60.9	64.5
OAKLAND 39TH AVE												
	90	92	97	89	86	64	68	69	69	65	90	97
Avg Max	45	48	48	42	35	31	32	38	38	34	42	49
Avg Min	75.3	78.7	79.0	71.6	63.1	55.6	59.6	61.9	60.7	58.2	73.6	71.3
Average	65.4	65.0	65.6	63.0	54.3	47.6	50.2	52.5	52.4	49.8	60.8	61.0
	65.4	65.0	65.6	63.0	54.3	47.6	50.2	52.5	52.4	49.8	60.8	61.0
OAKLAND CITY HALL												
	85	80	97	88	84	62	66	67	67	59	86	75
Avg Max	51	51	53	50	41	38	38	39	41	38	46	49
Avg Min	68.6	63.3	72.2	64.6	61.2	54.5	56.0	59.8	57.5	55.0	67.0	63.9
Average	55.7	53.5	56.7	54.6	50.8	45.0	44.6	44.7	45.9	44.3	50.6	51.6
	62.2	60.9	64.4	62.5	56.0	49.8	50.3	52.3	51.7	49.7	58.8	57.8
	62.2	60.9	64.4	62.5	56.0	49.8	50.3	52.3	51.7	49.7	58.8	57.8

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept	Oct	Nov.	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
SAN FRANCISCO BAY AREA EAST BAY (E4) (CONT.)	86	84	92	87	76	65	64	67	65	60	84	77	83	79	90
	53	55	53	47	38	34	38	40	48	42	46	52	56	53	57
	69.2	71.3	73.3	70.0	61.6	55.4	55.9	59.0	58.1	56.0	66.7	65.3	70.3	71.2	73.6
	57.2	59.1	53.6	54.2	50.5	45.2	44.5	45.5	46.9	46.9	52.5	54.5	57.0	58.3	59.3
	63.2	65.0	66.0	62.1	56.1	50.3	50.2	52.3	53.2	51.5	59.6	59.9	63.7	63.9	66.5
OAKLAND WB AP	96	101	103	89	80	63	68	66	70	67	92	93	101	101	96
	49	49	45	37	28	23	23	26	28	31	36	43	40	40	50
	86.2	89.7	84.3	77.6	63.9	54.1	56.7	62.8	62.7	60.0	77.6	91.1	91.7	92.7	96.9
	52.3	53.5	52.3	46.6	43.5	39.0	36.4	36.3	39.0	38.9	45.3	51.0	54.2	53.7	55.2
	69.5	71.6	68.6	62.1	53.7	46.6	46.6	43.3	50.9	49.5	61.5	66.1	73.0	73.2	71.1
PORT CHICAGO NAD	81	85	95	89	86	63	63	67	69	65	97	76	93	70	84
	53	51	51	44	37	32	36	38	39	39	44	51	52	53	40
	68.7	70.3	74.9	73.3	64.7	56.3	59.4	61.7	61.7	58.4	68.9	65.1	69.3	60.5	73.7
	55.1	55.4	57.3	52.0	40.4	44.3	43.0	42.6	45.6	44.3	51.3	53.4	55.2	55.0	57.1
	61.9	63.1	66.1	63.1	57.1	50.3	51.2	52.2	53.7	51.6	60.1	59.3	62.3	62.6	65.4
RICHMOND	96	99	96	96	90	58	63	65	68	61	92	94	98	100	93
	45	43	42	33	27	23	23	26	30	30	42	47	51	47	40
	74.6	85.6	81.4	73.2	61.0	52.0	54.2	57.8	59.2	55.3	74.0	73.3	85.5	87.9	91.3
	52.9	55.3	52.5	45.7	42.1	38.1	35.4	34.7	39.0	37.0	45.4	50.6	55.1	54.4	54.5
	65.3	70.5	67.0	59.5	51.6	45.1	44.3	46.3	49.1	46.2	59.7	62.0	70.2	71.2	67.9
SAINT MARYS COLLEGE	85	89	95	88	86	63	63	66	70	62	93	95	91	90	80
	49	49	45	43	37	32	34	36	37	36	40	47	50	51	50
	72.2	76.7	76.3	73.2	64.2	55.3	56.6	60.3	60.3	56.5	70.1	67.9	76.3	78.1	81.1
	51.5	52.3	54.1	50.6	46.5	41.4	41.5	40.3	39.5	37.0	47.0	50.7	53.1	53.2	55.0
	61.9	64.3	65.2	61.0	55.4	43.6	50.1	50.6	51.1	43.0	53.6	59.3	64.7	68.7	67.9
UPPER SAN LEANDRO FLD	102	103	100	90	85	63	67	72	70	65	94	97	100	103	96
	44	47	43	32	26	23	23	26	30	32	35	45	46	47	47
	83.5	90.1	83.6	76.1	64.7	54.3	56.6	60.5	62.4	58.9	77.5	77.4	90.7	91.3	96.7
	51.3	52.2	49.6	42.7	41.1	33.1	33.9	35.2	37.5	33.1	44.5	50.1	52.8	52.6	59.1
	67.4	71.2	66.6	59.4	52.9	46.2	45.3	47.9	50.0	43.5	61.0	64.0	71.3	72.0	69.4
WALNUT CREEK 2 ESE	98	102	95	96	90	62	66	66	69	62	93	103	101	104	92
	50	52	47	38	30	23	29	29	31	32	43	43	50	52	52
	83.6	89.1	80.9	74.2	62.3	52.7	55.8	57.7	61.1	57.7	76.5	73.2	81.4	82.3	83.9
	53.3	57.9	54.3	46.9	45.0	38.0	38.0	36.9	43.1	40.0	46.7	52.7	55.5	56.3	57.6
	63.7	73.5	67.6	60.6	53.7	46.1	46.9	47.3	50.6	43.4	61.6	65.5	73.5	74.4	71.2
ALAMEDA CREEK (F5)	98	102	95	96	90	62	66	66	69	62	93	103	101	104	92
	50	52	47	38	30	23	29	29	31	32	43	43	50	52	52
	83.6	89.1	80.9	74.2	62.3	52.7	55.8	57.7	61.1	57.7	76.5	73.2	81.4	82.3	83.9
	53.3	57.9	54.3	46.9	45.0	38.0	38.0	36.9	43.1	40.0	46.7	52.7	55.5	56.3	57.6
	63.7	73.5	67.6	60.6	53.7	46.1	46.9	47.3	50.6	43.4	61.6	65.5	73.5	74.4	71.2

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb	Mar	Apr.	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA															
ALAMEDA CREEK (E5) (CONT.)															
LIVERMORE SEWAGE PLT.	Maximum 46	104 43	100 44	90 77	84 29	62 24	68 26	70 26	70 29	70 29	68 36	98 44	102 46	104 47	98 48
	Minimum 82.6	89.7	85.5	74.7	65.1	54.6	57.2	60.1	61.6	61.6	58.3	76.3	89.7	92.6	86.5
	Avg Max 52.2	54.0	51.8	44.2	42.4	37.9	35.1	35.2	38.7	38.7	39.2	45.3	52.9	54.2	53.6
	Avg Min 67.4	71.9	63.6	61.0	53.8	46.2	46.2	47.6	50.2	50.2	48.8	61.0	71.3	73.4	70.0
LIVERMORE 2 SSW	Maximum 101	105	101	92	84	62	66	69	70	70	62	95	104	108	99
	Minimum 46	51	44	38	31	25	31	30	30	30	35	43	48	49	50
	Avg Max 83.8	91.2	84.1	77.6	65.0	54.0	57.7	58.5	60.9	60.9	56.4	77.7	91.8	94.2	87.6
	Avg Min 51.6	55.0	52.4	47.4	43.4	38.8	36.6	35.9	39.6	39.6	45.7	49.9	53.5	55.4	55.2
	Average 67.7	73.1	68.3	62.5	54.2	46.4	47.2	47.2	50.3	50.3	48.0	60.0	71.4	74.8	71.4
MOUNT HAMILTON	Maximum 87	90	87	83	74	-	69	70	60	60	45	84	92	93	84
	Minimum 44	40	38	35	29	-	51.5	54.5	57.4	57.4	38.3	30	58	58	44
	Avg Max 75.7	81.7	72.8	70.5	63.7	-	67.0	69.5	70.9	70.9	63.3	69.8	83.3	86.0	77.0
	Avg Min 57.9	65.5	52.2	42.1	38.1	-	37.0	39.5	40.7	40.7	28.2	44.1	66.3	70.9	59.7
	Average 66.8	73.6	62.5	61.3	56.0	-	44.3	47.2	50.7	50.7	33.8	56.4	74.8	78.5	68.4
NEWARK	Maximum 84	89	94	95	82	65	65	65	69	69	63	88	94	99	93
	Minimum 50	52	47	45	38	31	33	38	38	38	37	43	54	54	55
	Avg Max 71.0	73.2	76.4	72.4	63.7	56.2	56.5	59.0	60.4	60.4	56.4	69.9	77.1	78.8	78.3
	Avg Min 54.2	56.0	55.2	52.1	43.5	43.5	44.5	42.4	45.1	45.1	44.2	51.8	56.0	56.8	59.0
	Average 62.6	64.6	65.8	62.3	56.0	49.9	48.5	50.7	52.8	52.8	50.3	60.7	66.6	67.8	68.7
PLEASANTON NURSERY	Maximum 100	103	100	92	86	60	70	70	72	72	63	96	103	103	96
	Minimum 45	46	42	38	29	25	26	28	28	28	32	34	48	48	50
	Avg Max 83.8	90.5	83.6	78.3	67.7	54.1	58.0	61.6	60.8	60.8	56.5	75.2	91.8	93.2	86.7
	Avg Min 50.6	53.6	49.6	44.2	42.0	39.3	36.5	36.6	41.5	41.5	40.1	46.3	53.2	54.1	54.8
	Average 67.2	72.1	67.1	61.6	53.6	46.7	47.2	49.1	51.1	51.1	48.3	60.8	72.5	73.6	70.8
SANTA CLARA VALLEY (56)															
ALAMITOS PISC POND	Maximum 94	96	97	90	88	69	69	71	72	72	64	95	100	97	99
	Minimum 49	49	46	39	34	28	31	34	33	33	35	37	48	51	51
	Avg Max 81.1	86.3	82.6	77.2	66.3	57.5	60.3	63.6	62.8	62.8	58.7	75.6	87.1	88.7	87.1
	Avg Min 53.2	54.9	52.6	49.0	46.1	40.1	38.1	39.5	42.0	42.0	41.5	49.6	55.8	56.4	54.7
	Average 67.2	70.6	67.6	63.1	56.2	48.8	49.2	51.6	52.4	52.4	50.1	62.6	71.4	72.6	70.9
LEXINGTON RESERVOIR	Maximum 96	101	96	90	85	67	66	73	71	71	65	93	100	101	100
	Minimum 43	42	40	35	29	24	29	31	26	26	31	33	43	33	30
	Avg Max 84.7	89.3	84.0	75.7	60.8	53.8	57.8	63.1	60.9	60.9	56.3	75.5	91.1	91.1	87.0
	Avg Min 48.7	50.1	49.0	46.2	43.2	38.3	38.5	37.3	41.2	41.2	37.3	45.1	49.7	48.8	49.0
	Average 66.7	69.7	66.5	61.0	52.0	46.0	48.2	50.2	51.0	51.0	47.1	60.3	70.8	70.0	67.5

TEMPERATURE DATA

CENTRAL COASTAL AREA

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TABLE A-3
TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
NORTH COASTAL AREA MENDOCINO COAST (F8)	Maximum	100	106	107	99	96	69	75	90	77	70	103	-	107	106
	Minimum	41	41	39	28	30	26	27	26	28	30	42	-	42	45
	Avg Max	85.4	90.2	88.0	81.9	70.2	59.9	59.5	68.4	63.5	59.0	81.8	-	94.3	91.4
	Avg Min	49.4	49.4	47.2	42.4	41.2	40.6	36.4	35.6	38.8	38.2	49.7	-	50.2	49.7
	Average	67.4	69.8	67.6	62.2	55.7	50.2	48.0	52.0	51.2	48.6	65.8	-	72.2	70.6
PORT BRAGG	Maximum	68	70	85	71	75	64	60	67	63	60	64	68	70	73
	Minimum	44	44	38	33	35	31	33	35	33	33	44	40	38	43
	Avg Max	63.6	62.5	66.5	63.2	60.7	57.0	55.3	57.3	56.2	55.4	59.7	62.6	62.0	66.3
	Avg Min	49.2	48.3	50.3	46.3	46.3	43.3	39.9	39.6	39.9	39.9	45.6	43.3	43.1	51.3
	Average	56.4	55.4	58.4	54.8	53.8	50.2	47.6	48.7	48.1	47.7	52.7	53.3	55.1	58.3
PORT BRAGG AVIATION	Maximum	67	72	77	74	70	63	60	66	62	59	66	66	68	95
	Minimum	40	39	41	32	32	31	30	29	30	32	36	40	41	44
	Avg Max	62.4	62.8	65.7	62.1	60.5	57.3	55.3	57.5	55.6	55.4	53.7	60.0	62.4	67.7
	Avg Min	46.9	47.2	47.7	43.7	44.6	43.0	39.1	37.0	38.5	39.1	43.4	47.1	45.3	49.6
	Average	54.7	55.0	56.7	52.9	52.1	50.2	47.2	47.7	47.1	47.3	51.1	53.6	53.0	58.3
PORT ROSS	Maximum	68	71	92	80	80	62	68	64	61	61	66	74	74	84
	Minimum	43	44	45	41	40	34	35	35	34	37	42	42	43	46
	Avg Max	64.9	64.6	68.1	67.3	66.5	56.6	57.7	57.6	56.3	55.9	61.5	60.6	65.8	69.1
	Avg Min	47.3	43.4	50.8	47.2	45.0	44.2	42.7	41.3	41.6	40.5	44.2	47.4	47.2	51.7
	Average	56.1	56.5	59.5	57.3	54.3	50.4	50.2	49.5	49.0	48.2	52.0	54.0	56.2	60.4
POINT ARBENA	Maximum	69	72	95	84	76	61	62	65	61	60	66	75	74	80
	Minimum	45	46	45	39	38	34	34	33	35	34	46	47	47	43
	Avg Max	65.4	64.2	68.7	67.2	66.0	56.5	56.0	57.1	56.0	55.3	62.3	60.7	63.4	71.3
	Avg Min	49.5	49.2	51.5	47.8	46.1	44.3	42.6	40.9	41.3	39.5	44.5	44.4	49.6	52.1
	Average	57.5	56.7	60.1	57.5	56.6	50.7	49.3	49.5	43.9	47.4	53.4	55.1	56.7	61.1
RUSSIAN RIVER (F9)	Maximum	97	104	107	96	95	69	74	90	71	65	97	103	105	102
	Minimum	47	47	46	38	35	29	31	30	31	30	36	47	49	43
	Avg Max	87.2	91.1	87.0	80.8	64.5	54.6	53.4	64.9	64.0	60.5	78.5	70.1	82.0	83.4
	Avg Min	51.0	52.1	51.0	47.3	43.9	39.2	37.7	38.0	38.0	37.2	46.3	51.1	53.6	52.1
	Average	69.6	71.6	69.0	64.1	54.2	46.9	48.1	51.4	46.0	46.9	62.3	61.1	73.2	71.2
COYOTE DAM	Maximum	102	104	103	94	92	63	70	90	75	61	94	102	106	102
	Minimum	37	35	40	30	28	25	26	29	28	30	30	43	46	46
	Avg Max	88.0	92.9	86.6	80.0	63.0	56.0	56.6	64.8	61.3	55.2	77.6	81.9	83.3	82.4
	Avg Min	48.0	51.6	47.8	40.8	38.9	36.7	36.0	34.3	37.8	37.1	42.0	46.4	49.4	46.5
	Average	68.0	72.2	67.2	60.4	51.0	46.4	46.3	49.3	46.6	46.1	59.3	65.4	73.1	71.2

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug	Sept	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept
NORTH COASTAL AREA	RUSSIAN RIVER (FS) (CONT.)	Maximum	99	105	105	96	90	64	71	72	69	68	92	100	96	103
		Minimum	43	42	40	33	31	27	30	30	32	34	46	44	45	47
		Avg Max	83.5	84.3	80.4	62.0	53.8	57.5	61.6	60.1	58.4	76.4	75.5	86.1	86.1	86.9
		Avg Min	48.6	50.2	49.5	43.6	41.1	37.5	37.5	39.2	37.6	44.6	50.9	50.7	50.0	52.7
		Average	66.1	66.9	62.1	52.8	47.5	47.5	49.6	49.7	48.0	60.5	63.2	68.4	68.1	69.8
GRATON 1 W	Maximum	95	100	100	90	83	67	69	73	70	68	90	88	97	96	100
	Minimum	42	43	41	33	30	26	28	30	29	30	34	43	41	42	44
	Avg Max	82.0	83.4	81.2	76.0	60.8	54.6	57.6	62.0	61.1	58.4	75.5	74.1	84.0	84.0	84.6
	Avg Min	46.8	48.4	48.5	43.3	43.7	40.4	37.3	36.7	37.8	36.4	42.9	49.0	48.1	47.0	49.3
	Average	64.4	65.9	64.9	59.7	52.3	47.5	47.5	49.4	49.5	47.4	59.2	61.6	66.1	65.5	67.2
HEADENBURG	Maximum	98	105	108	98	91	65	72	79	74	70	95	95	104	105	103
	Minimum	47	46	44	36	33	29	31	33	32	33	37	47	47	48	50
	Avg Max	87.7	90.7	87.2	82.1	64.3	56.3	60.2	65.2	63.2	60.4	80.0	80.1	91.8	93.0	90.0
	Avg Min	51.6	52.5	52.3	47.6	45.8	42.0	39.0	38.8	40.8	38.9	47.1	51.0	52.6	51.9	54.8
	Average	69.7	71.6	69.8	64.9	55.1	49.2	49.6	52.0	52.0	49.7	63.6	65.6	72.2	72.5	72.4
INVERNESS MERY	Maximum	82	88	100	90	88	64	70	71	68	64	80	86	87	85	94
	Minimum	44	44	46	38	33	30	30	33	31	34	37	42	46	42	48
	Avg Max	70.0	74.6	74.6	72.1	62.2	57.0	59.4	63.1	59.4	58.7	65.5	68.0	71.8	75.1	74.4
	Avg Min	49.7	50.0	52.3	48.5	45.2	41.3	39.0	39.6	41.7	39.7	45.8	48.8	51.0	50.6	54.4
	Average	59.9	62.3	63.4	60.3	53.7	49.2	49.2	51.4	50.6	49.2	55.7	51.6	61.4	62.9	64.4
KNIGHTS VALLEY	Maximum	-	-	-	-	88	64	75	79	70	65	92	-	98	102	99
	Minimum	-	-	-	-	27	24	24	26	25	28	31	-	41	39	41
	Avg Max	-	-	-	-	64.3	56.6	59.6	64.8	59.1	56.3	75.7	-	91.6	92.0	87.3
	Avg Min	-	-	-	-	41.8	38.5	35.7	35.3	35.5	35.6	40.5	-	50.5	46.7	48.9
	Average	-	-	-	-	53.1	47.6	47.7	50.1	47.3	46.0	58.1	-	71.1	69.4	68.1
POTTER VALLEY PH	Maximum	103	104	102	93	86	66	70	80	77	64	97	103	101	105	103
	Minimum	43	37	37	28	21	21	21	26	24	26	30	40	47	46	45
	Avg Max	91.4	-	-	82.4	58.1	57.3	68.3	60.6	56.7	-	-	-	-	-	-
	Avg Min	48.5	-	-	38.3	43.5	44.9	33.1	33.0	33.3	-	-	-	-	-	-
	Average	70.0	-	-	60.4	46.4	44.9	50.7	46.8	45.0	-	-	-	-	-	-
SANTA ROSA SEWAGE PLT	Maximum	90	97	102	93	86	65	72	70	67	67	87	83	94	95	100
	Minimum	45	45	42	35	28	25	24	29	29	31	35	44	45	42	36
	Avg Max	78.6	81.0	80.4	62.8	59.3	58.2	61.1	59.9	57.7	71.5	71.0	80.3	82.0	82.4	82.4
	Avg Min	49.1	50.1	49.5	44.5	42.2	39.4	35.1	35.6	38.5	37.5	43.8	48.8	49.9	49.7	51.3
	Average	63.8	65.6	65.0	52.5	48.8	46.6	48.4	49.2	47.6	57.6	59.9	65.1	65.8	66.8	66.8

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.
NORTH COASTAL AREA																
RUSSIAN RIVER (F9) (CONT.)																
SANTA ROSA		94 45 82.6 48.6 65.6	101 44 86.3 49.6 68.0	104 41 84.4 49.6 67.0	95 34 80.7 44.2 62.5	89 29 64.5 44.2 54.4	66 27 56.2 40.7 48.5	75 28 60.5 37.2 43.9	71 30 63.9 37.3 50.6	72 30 63.2 40.0 51.6	70 31 61.2 38.0 49.6	91 36 77.0 45.0 61.0	89 45 76.1 49.5 62.8	97 45 85.7 50.9 68.3	100 47 88.1 50.6 69.4	100 43 87.0 53.3 70.2
UCLAH		103 45 88.8 51.5 70.2	105 46 92.8 53.9 73.4	106 43 87.7 51.0 69.4	97 32 81.8 44.1 63.0	92 28 63.4 42.8 53.1	68 26 58.1 38.7 43.4	75 26 58.2 36.5 47.4	80 29 68.1 36.0 52.1	78 27 60.7 37.5 49.1	65 30 57.2 37.1 47.2	99 34 80.1 45.9 63.0	104 42 85.0 51.9 68.5	104 50 94.8 56.1 75.5	109 50 99.3 55.8 77.6	105 49 92.1 53.8 73.0
WOODACRE		95 41 78.0 48.0 63.0	99 45 83.2 49.4 66.3	98 40 80.0 49.2 64.6	87 31 74.8 43.8 59.3	81 25 60.9 42.7 51.8	60 24 52.5 40.4 46.5	66 24 56.1 36.8 46.5	66 27 60.8 36.0 48.4	70 27 60.5 39.6 50.1	64 31 56.3 37.7 47.0	93 33 74.1 43.9 59.0	93 43 73.9 46.6 61.7	97 42 83.8 49.7 66.3	101 42 87.1 49.4 68.3	94 45 82.3 51.2 66.3

Evaporation Data

Terms and the abbreviations used in connection with tables listing evaporation data are as follows:

- Evap - The total amount of water evaporated from the pan in inches for the month.
- Wind - The amount of movement of air over the pan in miles for the month.
- Avg Max - The arithmetic average of daily maximum water temperatures in degrees Fahrenheit for the month.
- Avg Min - The arithmetic average of daily minimum water temperatures in degrees Fahrenheit for the month.
- RE - Record ends.
- RB - Record begins.
- - No record or record incomplete.

TABLE A-4
EVAPORATION DATA
CENTRAL COASTAL AREA

Station Name	Wind in Total Miles											Water Temperature in Degrees Fahrenheit									
	Evaporation in Inches							1967													
	Total July 1 To June 30	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.	Total Oct 1 To Sept 30				
CENTRAL COASTAL AREA LOWER SALINAS RIVER (12)	Evap	49.85	7.37	7.29	5.28	4.38	3.13	1.42	2.55	2.10	3.23	3.89	4.61	6.64	6.03	5.13	47.71				
	Wind	--	33.5	24.35	30.17	--	21.05	14.75	10.94	24.28	29.99	27.11	31.29	31.50	29.49	23.4	--				
	Evap	59.18	8.14	7.23	6.02	5.28	3.15	2.00	2.78	2.62	3.79	7.21	6.79	8.97	--	6.12	--				
	Wind	57221	6423	5941	4618	4197	4090	4095	4225	3390	4714	4006	5907	6225	5225	4538	54271				
	Avg Max	69.4	75.5	79.2	76.7	70.9	63.0	56.2	57.4	63.0	65.3	63.1	76.0	75.0	69.5	64.5	65.6	65.6			
	Avg Min	45.9	50.5	53.4	51.9	46.9	45.7	40.0	40.7	42.7	42.3	45.0	50.7	43.5	35.1	37.3	42.9				
UPPER SALINAS RIVER (13)	Evap	65.91	11.07	11.03	7.82	5.42	2.66	1.43	1.73	1.97	3.23	7.26	8.57	11.25	10.77	7.35	65.38				
	RACIMIENTO DAM																				

TABLE A-4
EVAPORATION DATA
CENTRAL COASTAL AREA

Station Name	Evaporation in Inches												Wind in Total Miles												Water Temperature in Degrees Fahrenheit												Total Oct 1 to Sept 30
	Total July To June 30	1966											1967											1967													
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.																					
SAN FRANCISCO BAY AREA NAPA - SOLANO (E3)	Evap	9.30	8.33	7.69	5.46	1.97	0.91	1.57	1.86	2.95	3.02	6.37	6.27	9.43	7.95	6.32	54.08 23984 71.4 48.0																				
	Wind	3826	3665	3240	2951	2067	2101	2171	1680	2222	1631	1346	2979	2285	881	2040																					
	Avg Max	83.1	83.1	81.6	74.2	62.7	54.4	55.3	61.0	66.0	65.2	85.6	79.4	84.6	83.6	84.1																					
	Avg Min	47.4	54.2	53.3	47.9	46.5	43.2	39.7	40.8	42.5	42.8	50.6	53.2	56.3	55.9	56.5																					
YOUNTVILLE GABLE	Evap	50.42	7.58	6.73	4.91	2.08	1.33	1.70	1.74	2.51	2.95	5.44	4.87	9.15	7.23	7.84	51.75 28144																				
	Wind	28327	2176	2489	2094	2508	1985	2565	1973	2805	2272	2607	2346	2448	2366	2175																					
ALAMEDA CREEK (E5) LIVERMORE SEWAGE FLT	Evap	67.06	11.98	8.00	6.34	2.28	1.18	2.25	2.18	3.22	3.19	7.64	7.92	11.46	11.67	8.91	68.24 -- -- 61.65 36276																				
	Wind	--	2840	2230	1610	1460	1930	1790	--	--	--	--	--	1880	2090	2270																					
NEWARK	Evap	62.49	9.07	8.98	5.32	2.44	1.21	1.85	2.14	4.02	4.16	8.21	7.63	9.69	8.22	6.76	61.65 36276																				
	Wind	37989	3738	3101	2497	2594	3211	1453	2467	3706	3793	4231	3985	3128	2702	2599																					
SANTA CLARA VALLEY (E6) ALAMITOS PISC POND	Evap	--	9.01	9.02	4.99	2.10	1.01	--	2.33	3.30	3.03	7.25	7.20	9.48	8.25	6.23	-- -- 63.19 --																				
	Wind	--	1581	1313	1056	986	804	--	811	--	1383	1290	1254	968	883	780																					
LEROY ANDERSON DAM	Evap	64.01	10.56	8.01	6.05	2.26	1.15	2.58	2.38	3.59	3.15	7.30	7.00	10.64	9.53	7.56	63.19 -- --																				
	Wind	--	2002	1967	1681	1551	1290	--	1431	1967	1636	1897	1662	1696	1492	1516																					
LEXINGTON RESERVOIR	Evap	--	8.17	8.46	--	1.96	1.12	1.71	1.71	2.51	2.19	5.59	6.60	8.28	7.91	5.71	-- 10045																				
	Wind	10614	658	814	795	1404	946	1571	601	1333	786	369	614	636	507	483																					
BAYSIDE SAN MATEO (E7) BURLINGAME	Evap	38.95	6.55	5.10	2.17	1.13	0.49	0.48	0.99	1.44	1.75	6.05	6.10	7.89	5.45	5.28	39.22 -- 71.7 51.8																				
	Wind	--	821	830	684	595	700	925	559	1220	1033	1112	--	--	671	738																					
	Avg Max	71.5	87.1	83.5	76.6	59.6	52.2	52.5	58.8	66.9	67.9	81.9	84.7	89.3	87.7	85.7																					
	Avg Min	31.6	60.2	58.3	52.5	48.7	44.3	42.8	44.5	47.7	46.8	54.6	58.4	60.6	59.7	61.0																					

TABLE A-4
EVAPORATION DATA
CENTRAL COASTAL AREA

Station Name	Evaporation in Inches										Wind in Total Miles										Water Temperature in Degrees Fahrenheit										Total Oct 1 to Sept 30
	Total July 1 To June 30	1966					1967					1967					1967					Total Oct 1 to Sept 30									
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.															
NORTH COASTAL AREA RUSSIAN RIVER (F?) COYOTE DAM	Evap	63.35	10.15	11.58	7.87	4.85	1.71	1.04	1.50	1.88	2.73	2.70	7.80	9.05	12.23	11.28	8.64	65.00													
	Wind	--	8.27	8.24	11.93	1.39	1.22	1.00	--	10.16	15.74	15.07	16.50	16.53	--	--	--	--													
	Avg Max	70.1	82.3	82.3	72.7	59.8	53.2	51.6	59.8	61.8	59.6	81.9	85.5	97.1	97.1	97.0	91.9	72.7													
	Avg Min	45.4	52.6	56.7	51.5	46.1	42.7	40.1	34.6	36.8	39.5	39.0	48.6	56.8	54.9	53.1	49.0	45.1													
GENESEEVILLE HOOKING KNIGHTS VALLEY	Evap	--	--	--	--	1.40	0.54	2.08	1.00	1.05	0.65	4.87	5.69	6.00	7.62	5.31	--	--													
	Wind	--	--	--	667	63.6	55.8	64.5	56.6	63.8	63.6	86.2	--	96.5	93.1	87.3	66.6	--													
	Avg Max	--	--	--	--	47.5	44.3	41.6	41.6	43.4	42.5	51.1	--	63.2	58.9	58.2	--	--													
	Avg Min	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--													
SANTA ROSA CENAGE FLT	Evap	51.51	8.66	7.92	6.62	4.78	1.57	0.85	1.22	1.77	3.10	2.92	5.99	6.11	8.51	7.89	6.31	51.02													
	Wind	27310	3022	2646	2401	1993	2061	1797	2211	1299	2714	2307	2521	2743	2736	2574	2213	2724													

Appendix B

SURFACE WATER MEASUREMENT

INTRODUCTION

In this appendix, surface water data are presented for the period October 1, 1966, through September 30, 1967. These data consist of imported water to report area, daily mean gage heights, daily maximum and minimum tides, and corrections to previously published reports.

The station numbering system is that which is shown in the departmental publication, "Index of Stream Gaging Stations in and Adjacent to California", 1966.

TABLE B-1
SURFACE WATER IMPORTS TO THE CENTRAL COASTAL AREA

IMPORT	1967 WATER YEAR												
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	TOTAL
<u>CITY OF VALLEJO FROM CACHE SLOUGH</u>													
Total acre-feet	1,189	673	81	246	386	393	577	1,220	1,269	1,641	1,615	1,477	10,767
Average cubic feet per second	19	11	1	4	7	6	10	20	21	27	26	25	15
Monthly quantities in percent of seasonal	11.0	6.3	0.8	2.3	3.6	3.6	5.4	11.3	11.8	15.2	15.0	13.7	
<u>CONTRA COSTA CANAL *</u>													
Total acre-feet	7,860	6,059	4,703	4,986	4,439	3,941	3,579	5,770	6,382	8,075	8,261	7,664	71,679
Average cubic feet per second	128	102	76	81	80	64	60	94	107	131	134	128	99
Monthly quantities in percent of seasonal	11.0	8.4	6.6	6.9	6.2	5.5	5.0	8.0	8.9	11.3	11.5	10.7	
<u>HETCH HETCHY AQUEDUCT</u>													
Total acre-feet	20,955	20,424	17,445	15,507	7,462	15,594	11,433	18,962	18,646	20,944	20,939	20,121	208,432
Average cubic feet per second	341	343	284	252	134	254	192	308	313	341	341	338	288
Monthly quantities in percent of seasonal	10.1	9.8	8.4	7.4	3.6	7.5	5.5	9.1	8.9	10.0	10.0	9.7	
<u>MOSELUNNE RIVER AQUEDUCT</u>													
Total acre-feet	16,824	16,457	17,530	16,793	13,923	16,283	14,053	16,550	16,516	18,204	17,986	17,286	198,405
Average cubic feet per second	274	277	285	273	251	265	236	269	278	296	292	290	274
Monthly quantities in percent of seasonal	8.5	8.3	8.8	8.5	7.0	8.2	7.1	8.3	8.3	9.2	9.1	8.7	
<u>POTTER VALLEY POWERHOUSE FROM EEL RIVER</u>													
Total acre-feet	19,420	17,480	18,910	18,910	16,960	17,900	18,110	18,800	17,930	18,750	18,980	18,700	220,900
Average cubic feet per second	316	294	308	308	305	291	304	306	301	305	309	314	305
Monthly quantities in percent of seasonal	8.8	7.9	8.6	8.6	7.6	8.1	8.2	8.5	8.1	8.5	8.6	8.5	
<u>PUTAH SOUTH CANAL **</u>													
Total acre-feet	27,593	4,911	827	1,240	482	1,396	841	11,629	18,371	32,412	30,486	19,021	149,209
Average cubic feet per second	449	83	13	20	9	23	14	189	309	527	496	320	206
Monthly quantities in percent of seasonal	18.5	3.3	0.6	0.8	0.3	0.9	0.6	7.8	12.3	21.7	20.4	12.8	
<u>SOUTH BAY AQUEDUCT</u>													
Total acre-feet	6,159	5,098	4,286	5,466	551	2,907	777	2,250	5,850	7,757	7,663	7,054	55,818
Average cubic feet per second	100	86	70	89	10	47	13	37	98	126	125	119	77
Monthly quantities in percent of seasonal	11.0	9.1	7.7	9.8	1.0	5.2	1.4	4.0	10.5	13.9	13.7	12.7	

* A portion of this water is delivered to the Central Coastal Area by the Contra Costa County Water District.

** A portion of this water is delivered to the Central Coastal Area by the Solano Irrigation District.

* A portion of this water is delivered to the Central Coastal Area by the Contra Costa County Water District.

** A portion of this water is delivered to the Central Coastal Area by the Solano Irrigation District.

TABLE B-2

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO	STATION NAME
1967	E31400	RECTOR RESERVOIR NEAR YOUNTVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	347.33	343.84	355.50	370.20	370.60	370.18	370.39	370.26	368.85	367.20	362.75E	358.45E	1
2	347.20	343.84	356.35	370.20	370.46	370.16	370.33	370.20	368.98	367.06	362.63	358.29	2
3	347.06	343.83	363.25	370.20	370.39	370.17	370.30	370.20	369.23	366.92	362.47	358.17	3
4	346.93	343.81	365.10	370.20	370.37	370.17	370.30	370.20	369.28	366.81	362.31	358.03	4
5	346.80	343.80	370.76	370.20	370.33	370.17	370.33	370.19	369.29	366.70	362.18	357.87	5
6	346.67	343.89	370.65	370.20	370.29	370.17	370.82	370.18	369.30	NR	362.02	357.73	6
7	346.52	343.90	370.45	370.20	370.28	370.17	370.56	370.16	369.29	NR	361.88	357.58	7
8	346.40	343.90	370.36	370.20	370.28	370.17	370.47	370.16	369.25	NR	361.74	357.43	8
9	346.28	343.91	370.34	370.20	370.28	370.16	370.40	370.13	369.20	NR	361.60	357.29	9
10	346.17	343.91	370.45	370.19	370.27	370.16	370.35	370.12	369.19	NR	361.48	357.16	10
11	346.03	343.91	370.39	370.18	370.25	370.21	370.43	370.12	369.12	NR	361.34	357.01	11
12	345.90	343.92	370.37	370.18	370.25	370.22	370.37	370.11	369.08	NR	361.21	356.88	12
13	345.74	343.94	370.33	370.17	370.25	370.28	370.30	370.10	368.99	NR	361.06	356.85	13
14	345.62	343.96	370.32	370.17	370.22	370.29	370.29	370.09	368.90	NR	360.92	356.83	14
15	345.49	344.08	370.30	370.18	370.21	370.28	370.29	370.07	368.82	NR	360.81	356.78	15
16	345.33	344.55	370.30	370.17	370.21	371.10	370.29	370.03	368.74	NR	360.66	356.63	16
17	345.24	344.60	370.28	370.16	370.21	370.57	370.37	370.00	368.65	NR	360.52	356.53	17
18	345.11	344.63	370.28	370.16	370.21	370.45	370.49	369.97	368.55	NR	360.38	356.41	18
19	344.98	344.76	370.27	370.16	370.20	370.39	370.49	369.90	368.47	NR	360.25	356.34	19
20	344.84	347.67	370.26	370.20	370.19	370.33	370.43	369.85	368.37	NR	360.12	356.32	20
21	344.72	349.33	370.26	372.30	370.18	370.32	370.39	369.79	368.27	NR	360.00	356.28	21
22	344.59	351.56	370.25	370.87	370.18	370.30	370.44	369.73	368.16	NR	359.84	356.23	22
23	344.47	352.26	370.25	370.57	370.18	370.31	370.48	369.67	368.03	NR	359.71	356.08	23
24	344.35	352.65	370.25	370.90	370.18	370.29	370.47	369.59	368.00	NR	359.54	355.97	24
25	344.23	352.89	370.25	370.60	370.20	370.28	370.41	369.49	367.95	NR	359.42	355.84	25
26	344.11	353.09	370.21	370.50	370.20	370.28	370.36	369.39	367.80	NR	359.29	355.80	26
27	343.98	353.23	370.21	370.51	370.19	370.27	370.32	369.29	367.70	NR	359.13	355.77	27
28	343.86	353.70E	370.21	370.59	370.18	370.25	370.28	369.20	367.58	NR	359.00	355.74	28
29	343.84	354.30E	370.20	371.17		370.23	370.28	369.12	367.45	NR	358.85	355.71	29
30	343.84	354.80E	370.20	371.29		370.26	370.27	369.01	367.32	NR	358.72E	355.59	30
31	343.84		370.20	370.76		370.47		368.90		NR	358.59E		31

CREST STAGES

E — ESTIMATED
NR — NO RECORD
NE — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-21-67	1645	372.60	3-16-67	0930	371.14						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R MDB & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38-26.4	122-20.6	SE19 7N 4W						5/48 - Date	5/48	0.00	USC&GS

Rector Reservoir is located on Rector Creek about three miles northeast of Yountville. Gaging station is located on the outlet tower of the reservoir. Elevation of reservoir floor is 250 feet. Spillway elevation is 370 feet.

TABLE 9-3
DAILY MAXIMUM AND MINIMUM TIDES
SACRAMENTO RIVER AT COLLINSVILLE

1961

STATION NO.
891110
WATER
YEAR
1967

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	15.77 15.43	15.86 15.37	16.80 11.68	15.11 11.90	17.17 13.77	16.05 11.91	15.86 11.48	15.99 11.56	15.83 12.50	16.22 13.00	NR	15.07 11.60	1
2	15.92 12.29	15.95 11.39	16.10 11.90	17.12 11.14	15.07 13.58	16.11 11.70	15.55 11.56	14.88 11.80	14.63 12.82	16.31 12.68	NR	16.46 11.48	2
3	15.97 13.14	16.26 11.46	16.10 12.47	15.13 11.17	16.90 13.19	16.10 11.80	15.37 11.53	15.32 12.03	15.93 12.65	16.30 12.69	NR	16.40 11.52	3
4	15.84 12.17	15.95 11.69	16.12 11.91	15.43 11.43	16.76 12.85	16.00 11.52	15.90 11.70	15.52 12.44	16.27 13.01	16.95 12.91	NR	16.24 11.62	4
5	15.86 11.92	15.79 11.67	16.41 12.81	16.14 11.73	15.77 12.60	15.78 11.25	15.55 11.80	15.73 12.51	16.57 12.40	16.78 12.02	16.60 11.61	16.16 11.18	5
6	15.93 11.79	15.76 11.94	16.59 12.63	16.01 11.90	16.58 12.30	15.99 11.12	15.64 12.08	15.62 12.32	16.36 11.87	16.90 11.93	16.62 11.68	15.86 11.95	6
7	15.53 11.71	15.47 11.69	16.71 12.78	15.08 11.18	16.66 12.07	15.71 11.30	15.65 12.02	15.62 12.02	16.45 11.81	16.95 11.85	16.63 11.65	15.08 11.48	7
8	15.46 11.28	15.45 11.84	16.77 12.96	16.13 11.18	16.40 12.08	15.76 11.46	15.72 12.45	16.78 11.97	16.65 11.84	16.95 11.78	16.61 11.87	16.21 12.18	8
9	15.58 11.23	15.45 11.88	16.91 12.40	16.18 11.13	16.33 12.06	16.06 11.95	15.72 12.31	16.36 12.12	16.86 11.95	16.82 11.72	16.23 12.07	16.29 11.93	9
10	16.01 11.43	15.82 11.74	17.02 12.10	15.07 11.08	16.06 12.05	16.08 11.35	15.97 12.08	16.50 11.69	16.73 11.63	16.59 11.82	16.08 11.61	16.40 11.70	10
11	15.52 12.09	16.19 11.88	16.88 11.88	16.13 11.28	15.64 11.94	15.81 12.01	16.22 12.31	16.25 11.65	16.60 11.82	16.14 11.45	16.09 12.26	16.17 11.75	11
12	15.86 12.03	16.31 11.64	16.87 11.88	16.08 11.42	15.42 12.26	16.05 12.55	16.10 12.10	16.05 11.48	16.61 12.06	15.79 11.73	16.20 12.16	16.25 11.41	12
13	15.29 11.45	16.42 11.05	16.92 12.00	15.71 11.19	15.63 12.05	15.83 11.80	15.84 11.31	15.84 11.76	16.01 11.82	15.23 11.02	16.39 11.62	16.35 11.70	13
14	15.43 11.33	16.50 11.64	16.50 14.07	15.16 11.36	15.87 12.95	15.78 12.34	15.84 11.76	15.65 11.27	15.75 11.85	16.20 12.23	16.50 11.79	16.30 11.61	14
15	15.85 11.43	16.43 13.65	15.83 11.77	14.75 11.28	15.13 12.34	15.80 12.19	15.82 11.68	15.46 11.26	16.15 12.06	16.62 12.50	16.78 11.76	16.33 11.86	15
16	15.85 11.32	16.12 12.02	16.12 11.40	14.84 11.35	15.10 12.31	16.25 12.45	15.33 11.53	15.33 12.52	16.53 12.37	16.92 11.82	16.40 11.82	16.23 11.89	16
17	15.83 12.69	15.80 11.57	14.99 11.45	14.90 11.45	15.25 12.09	15.68 12.17	15.48 12.06	15.47 11.57	17.01 12.96	17.00 12.12	16.61 11.60	16.08 11.88	17
18	15.66 11.30	15.24 11.48	14.93 11.44	14.95 11.89	15.45 11.88	15.77 12.34	15.48 11.81	15.84 11.81	17.21 12.78	15.12 11.81	16.54 11.58	15.81 11.91	18
19	15.63 11.13	15.42 11.45	14.93 11.93	15.19 11.86	15.81 11.69	15.68 12.19	15.59 11.79	16.17 12.06	15.35 11.55	16.87 11.55	16.50 11.78	15.71 11.11	19
20	15.63 11.39	15.61 12.21	15.34 11.90	16.08 12.33	15.71 11.25	15.68 12.04	15.58 11.88	15.39 12.40	17.22 12.08	16.77 11.45	16.52 11.97	15.78 12.42	20
21	14.93 11.62	15.45 12.10	15.50 12.26	17.33 13.31	15.95 11.20	15.78 11.74	16.01 12.28	16.59 12.32	17.30 11.96	16.84 11.61	16.35 11.96	16.32 12.59	21
22	14.70 11.18	15.10 12.12	15.33 11.78	16.96 12.12	16.15 11.58	16.01 11.68	16.20 12.49	16.83 12.08	17.19 11.88	NR	16.07 12.45	16.00 12.99	22
23	14.69 11.19	15.60 12.15	15.80 11.62	17.11 12.40	16.37 11.50	16.37 11.97	16.45 12.48	17.18 12.13	17.12 11.84	NR	15.73 12.19	16.06 12.33	23
24	14.76 11.34	15.68 11.85	16.16 11.61	18.10 13.33	16.70 11.86	16.21 11.85	16.82 12.38	17.32 12.08	17.03 12.01	NR	15.66 12.39	16.24 12.28	24
25	15.08 11.67	15.74 11.66	16.30 11.49	17.47 12.60	16.29 11.70	16.11 12.00	16.93 12.14	17.27 12.10	16.82 12.06	NR	15.80 12.62	16.05 12.28	25
26	15.28 12.00	15.51 11.94	16.42 11.39	17.41 12.53	15.77 11.64	16.03 12.12	16.86 11.95	17.23 11.98	16.35 11.93	NR	15.73 12.51	15.98 12.06	26
27	15.41 12.09	16.28 11.32	16.28 11.15	17.20 12.45	15.55 11.67	16.17 12.04	17.01 12.01	16.80 11.98	15.76 11.87	NR	15.89 12.35	15.96 12.02	27
28	15.47 11.80	16.19 11.70	16.19 11.03	17.09 14.02	15.72 11.90	16.45 12.14	16.67 11.91	16.41 11.97	15.73 12.07	NR	15.97 12.14	16.06 11.79	28
29	15.31 11.38	16.42 11.46	16.33 11.46	16.79 12.45	16.79 11.81	16.67 11.82	16.20 11.61	15.83 12.57	15.89 11.91	NR	15.87 11.80	16.12 11.76	29
30	15.41 11.30	16.46 13.73	16.16 13.46	16.83 12.74	16.32 11.74	16.32 11.74	15.53 11.50	15.81 12.04	16.06 12.95	NR	16.24 11.55	15.35 11.75	30
31	15.63 11.38	15.71 11.31	17.45 11.31	15.92 11.31	16.57 11.91	16.57 11.91	15.72 12.73	15.72 12.73	NR	NR	16.36 11.69	16.46 11.61	31
MAXIMUM	16.01	16.50	17.12	18.10	17.17	16.67	17.01	17.30	17.30	NR	NR	16.46	MAXIMUM
MINIMUM	11.18	11.32	11.03	11.08	11.20	11.12	11.48	11.26	11.76	NR	NR	11.41	MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUS OF GAGE				
LATITUDE	LONGITUDE	1 SEC T & R NO & B M	OF RECORD		DISCHARGE		GAGE HEIGHT		PERIOD		REF
			CFS	GAGE NT	DATE		ONLY		FROM	TO	DATE
32° 51' N	121° 51' W	457	NR	1E		9.2	4/6/58		JUNE 29-DATE		1967
Station is located 1.4 mi. NW of Collinsville, 1/2 mi. NE of Pittsburg. Maximum gage height does not indicate maximum discharge.											

TABLE B-4

CORRECTIONS AND REVISIONS TO PREVIOUSLY-PUBLISHED REPORTS OF SURFACE WATER DATA

1924 TO DATE

Report		Location of Error or Revision		Change or Revision	
	Page	Name	Item	From	To
Bull. No. 23-62	394	Suisun Bay at Benicia Arsenal	Daily Maximum and Minimum Tides for the period 3-1-62 to 3-28-62, inclusive. Maximum for March 1962	Published values 16.72	2.00 ft. lower than published values. 14.72
Bull. No. 130-63 130-64	B-7 48	Suisun Bay at Benicia Arsenal	Maximum Gage Height of Record Date of Maximum Gage Height of Record	6.72 3-5-62	5.7 4-6-58
Bull. No. 130-64	52	City of Vallejo from Cache Slough	Total acre-feet Average cubic feet per second Monthly quantities in percent of seasonal	Published values	Values published in Bulletin No. 130-66 Table B-2.
Bull. No. 130-63 through 130-66		Suisun Bay at Benicia Arsenal *	Station location: Longitude	122° 08' 44"	122° 08' 13"

*Changes not previously reported.

Appendix C
GROUND WATER MEASUREMENT

INTRODUCTION

Data in this appendix include ground water level measurements from 366 wells for the period from October 1, 1966, through September 30, 1967. Tables which summarize the measurements and corrections of previously published reports are also included. Wells were selected to reflect the ground water conditions of the area. Well networks are continuously reviewed and, when conditions dictate, replacement wells are located and measured.

There are 31 ground water basins or areas in the Central Coastal area for which data are reported.

Processing the Data

Two numbering systems are combined by the Department to facilitate processing of water level measurement data: The region and Basin Designation and the State Well Numbering System.

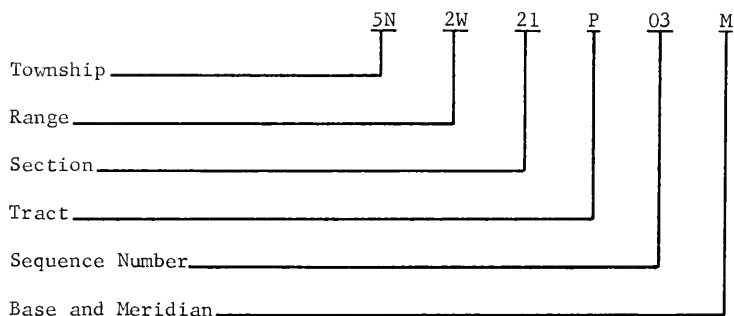
Region and Basin Designation

The regions used in this report are geographic areas defined in Section 13040 of the Water Code. That portion of Northern California covered by this report comprises the southern portion of North Coastal Region No. 1, the northern portion of Central Coastal Region No. 3, and all of San Francisco Bay Region No. 2. A decimal system in the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:

	<u>1</u>	-	<u>18.01</u>
Region (North Coastal Region)	_____		
Ground Water Basin (Santa Rosa Valley)	_____		
Subarea (Santa Rosa Area)	_____		

State Well Numbering System

The State Well Numbering System is based on township, range, and section subdivisions of the Public Land Survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below:



This number identifies and locates the well. In the example, the well is in Township 5 North, Range 2 West, Tract P of Section 21, located in the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as follows:

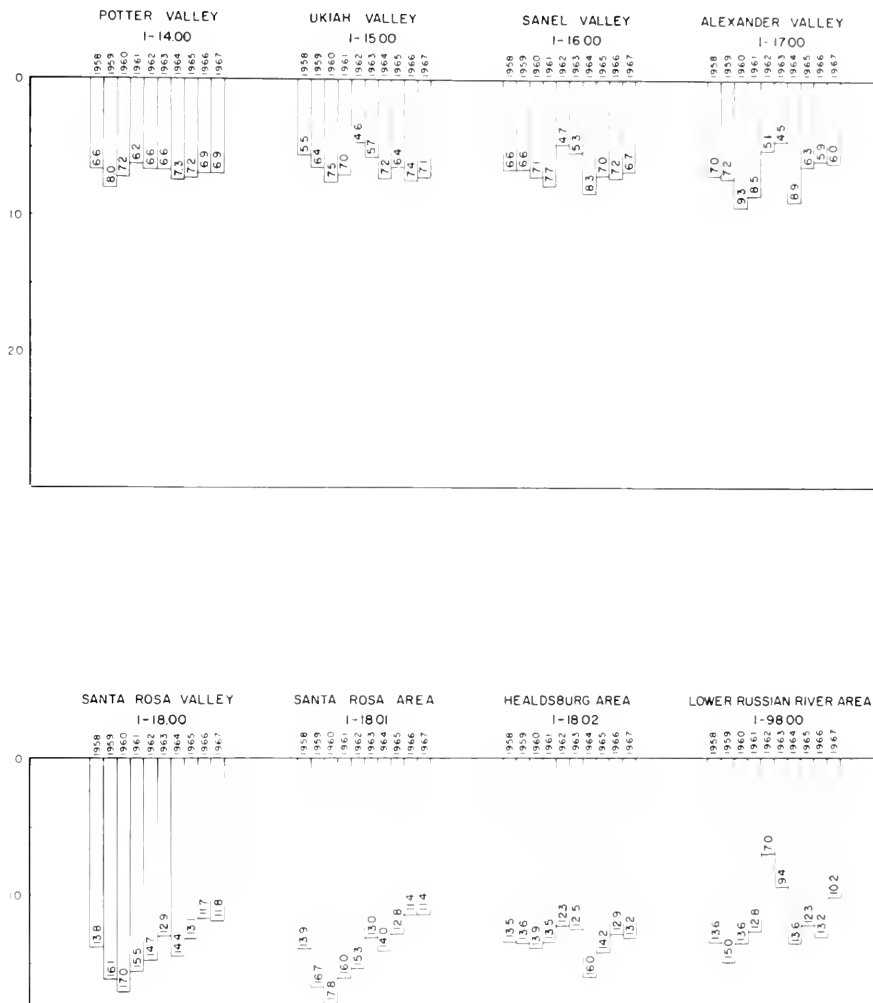
D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Sequence numbers in a tract are generally assigned in chronological order. The example designates the third well to be assigned a number in Tract P.

FIGURE C-1
 SPRING DEPTH TO WATER IN WELLS
 CENTRAL COASTAL AREA

SHEET 1 OF 8

AVERAGE DEPTH TO WATER IN FEET



SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

SHEET 2 OF 8

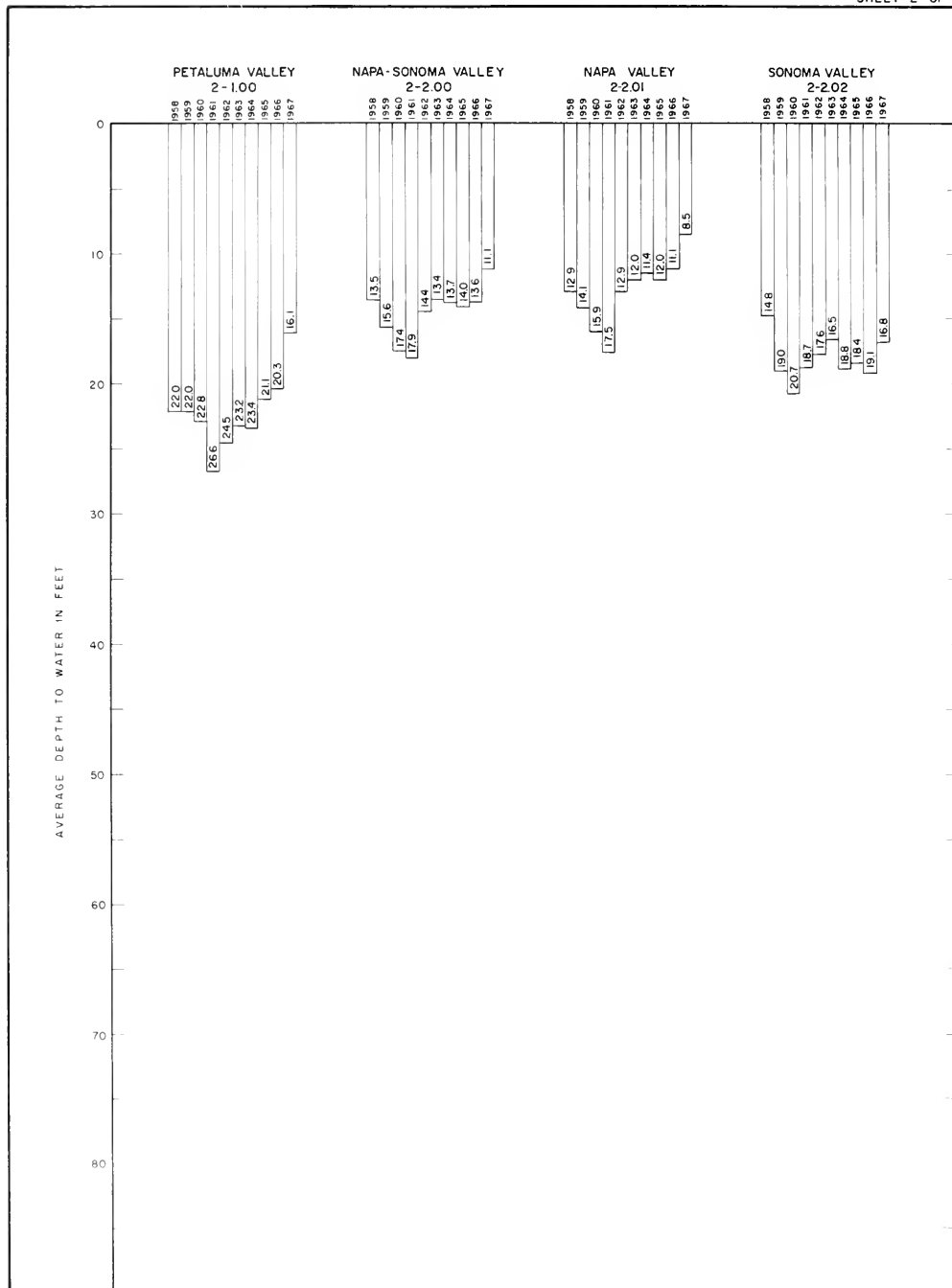


FIGURE C-1 SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

SHEET 3 OF 8

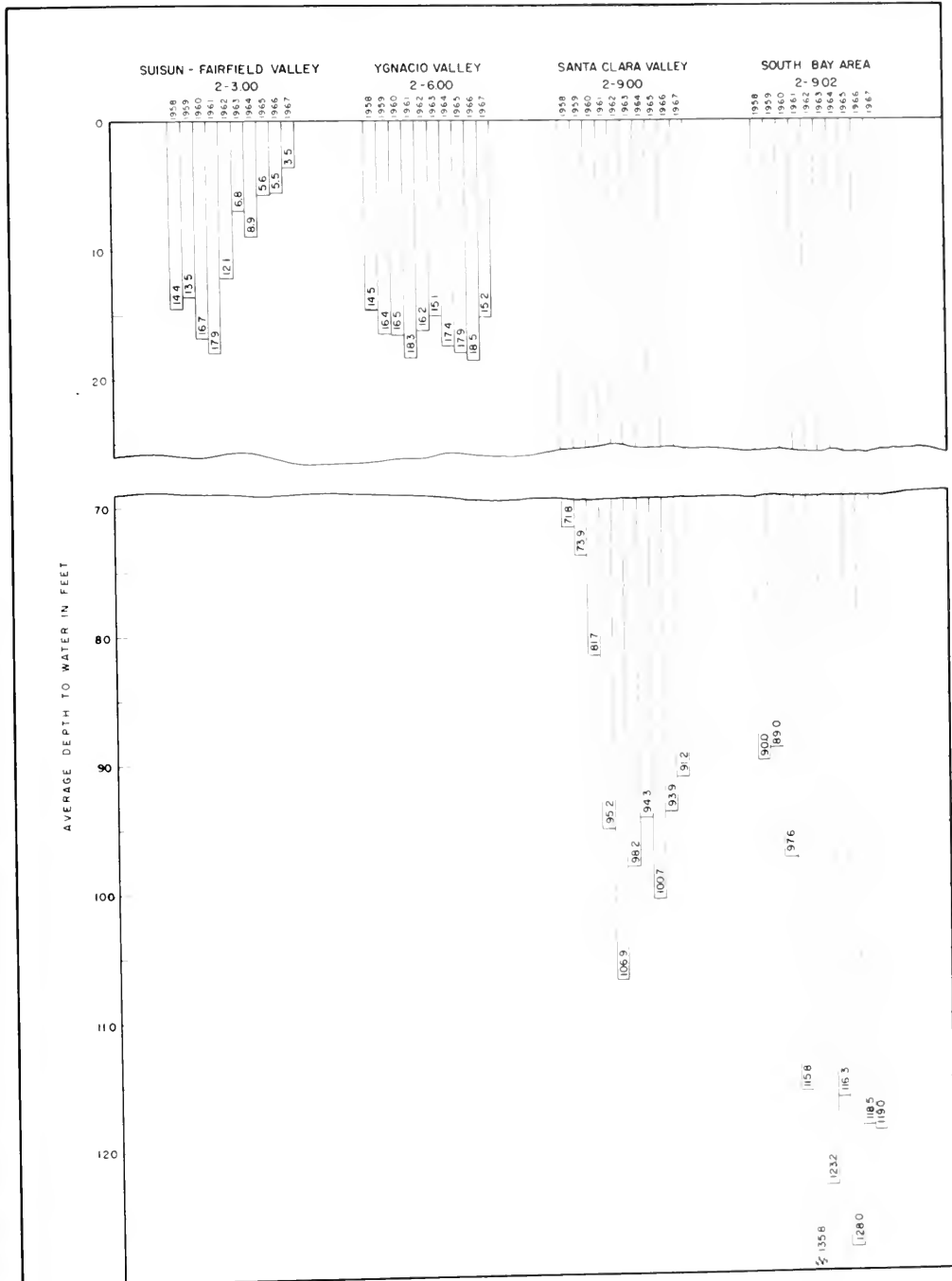


FIGURE C-1
 SPRING DEPTH TO WATER IN WELLS
 CENTRAL COASTAL AREA

SHEET 4 OF 8

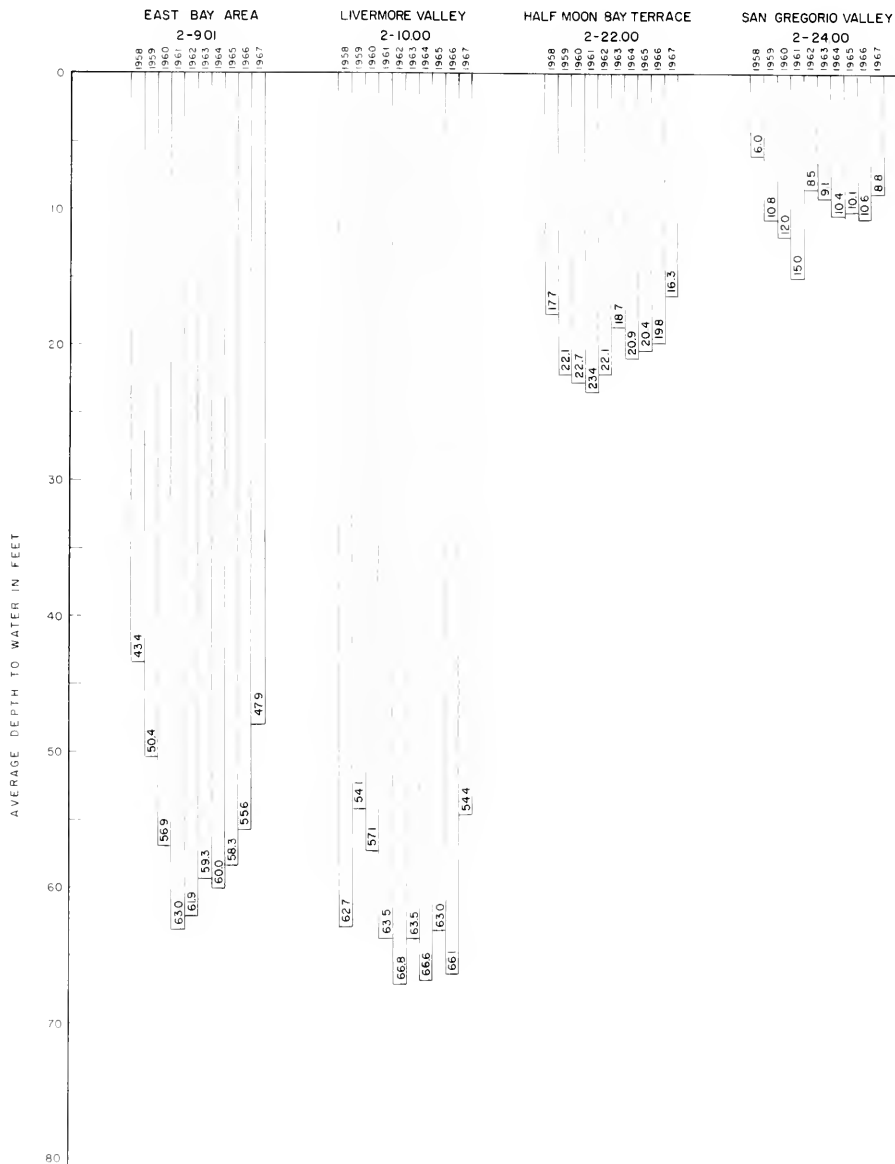


FIGURE C-1
 SPRING DEPTH TO WATER IN WELLS
 CENTRAL COASTAL AREA

SHEET 5 OF 8

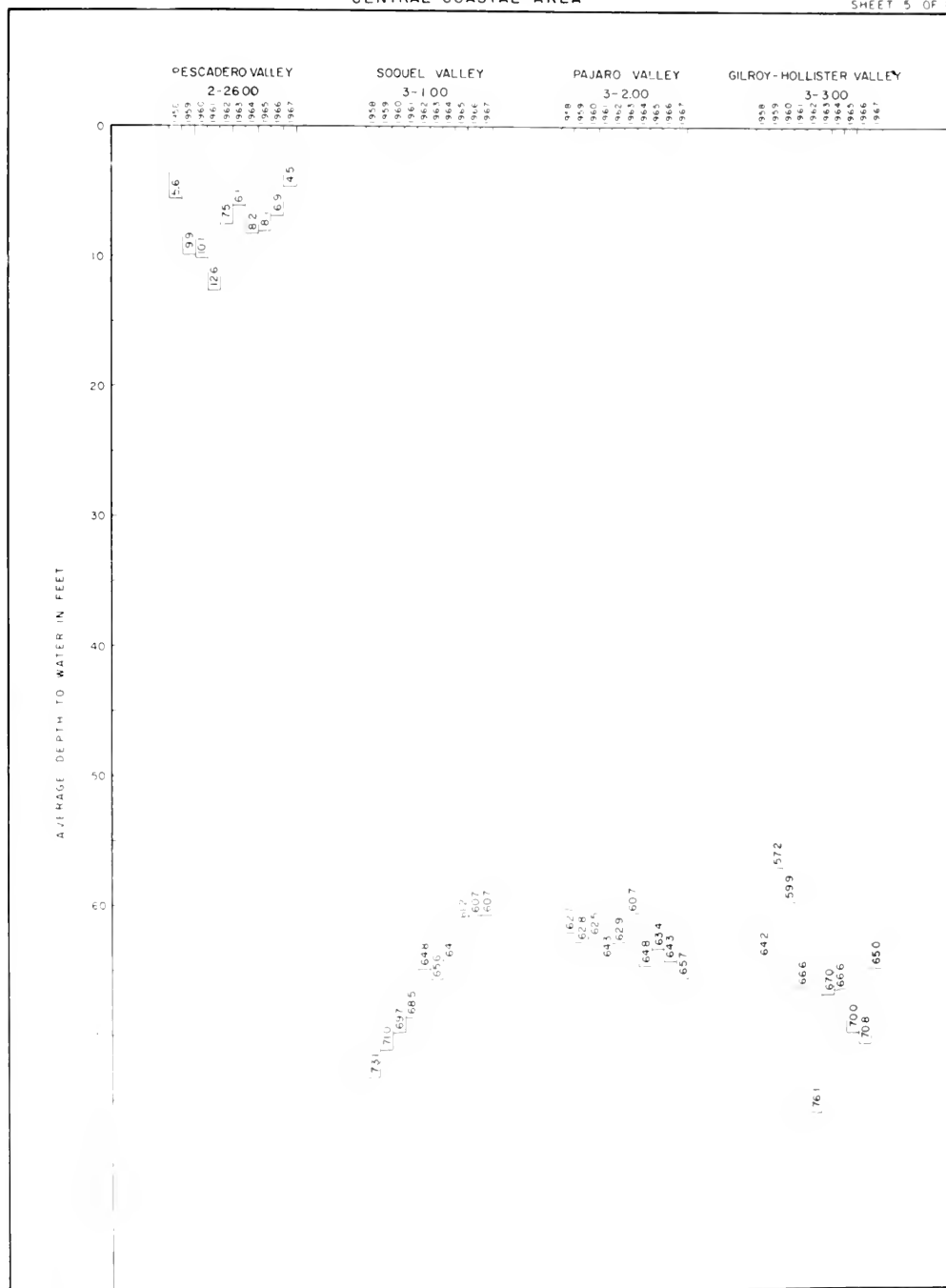


FIGURE C-1 SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

SHEET 6 OF 8

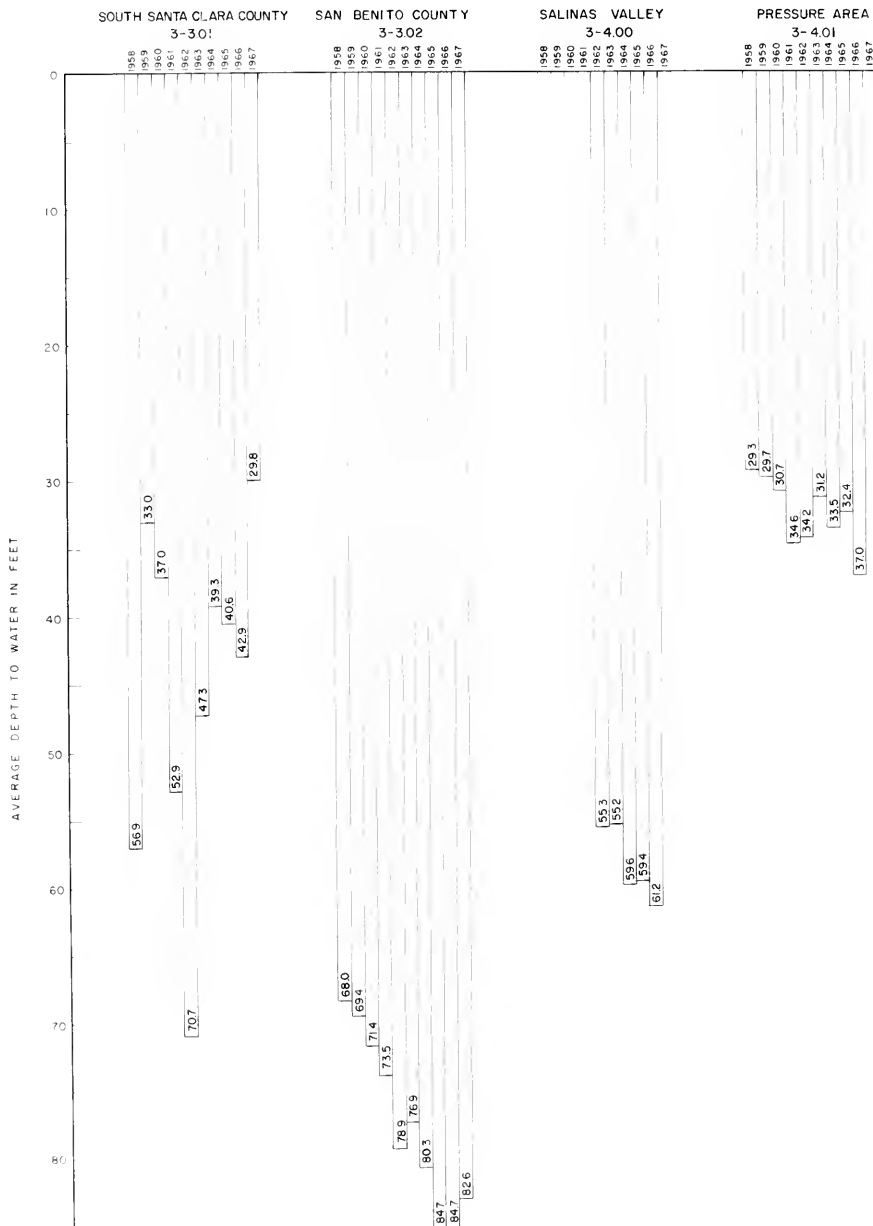


FIGURE C-1
 SPRING DEPTH TO WATER IN WELLS
 CENTRAL COASTAL AREA

SHEET 7 OF 8

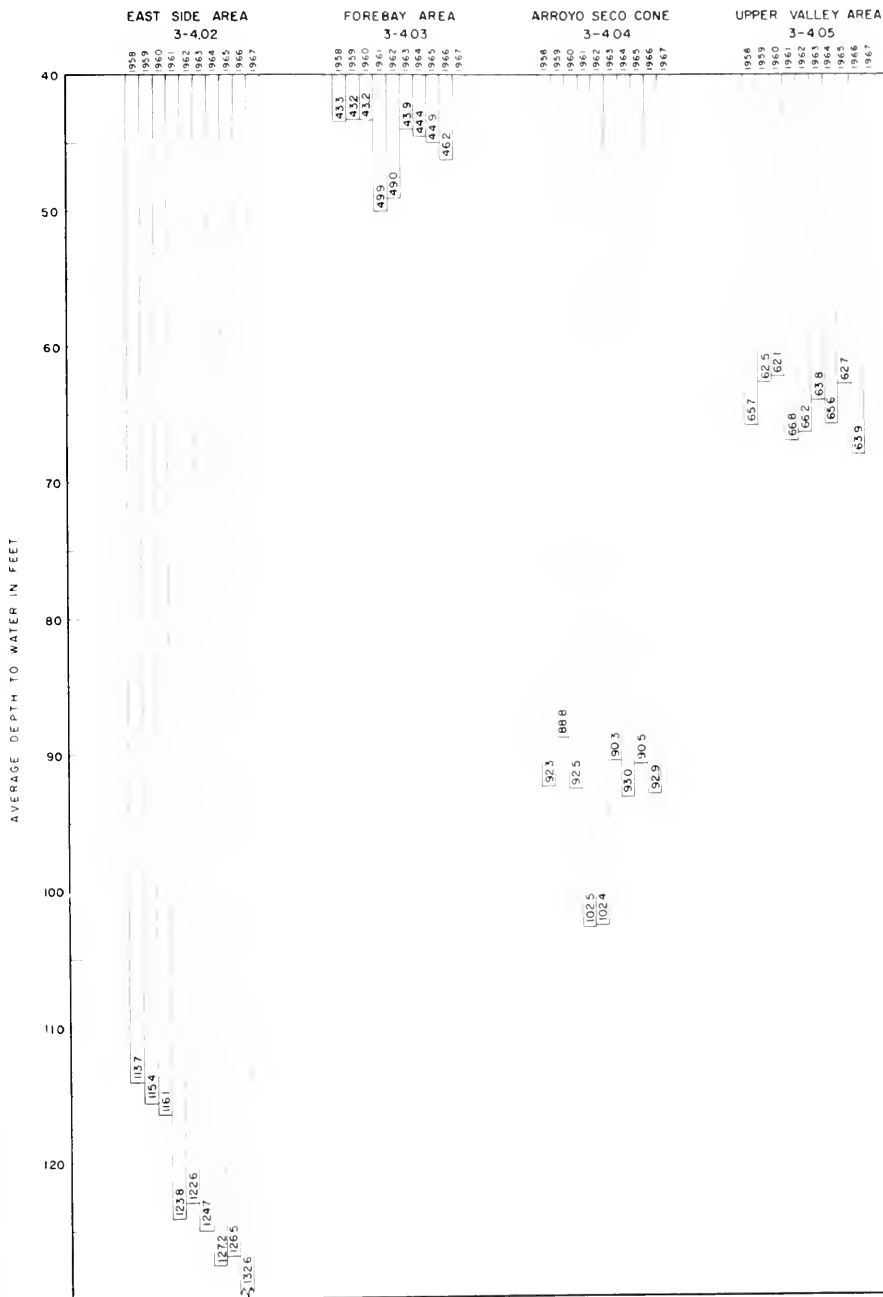


FIGURE C-1
 SPRING DEPTH TO WATER IN WELLS
 CENTRAL COASTAL AREA

SHEET 8 OF 8

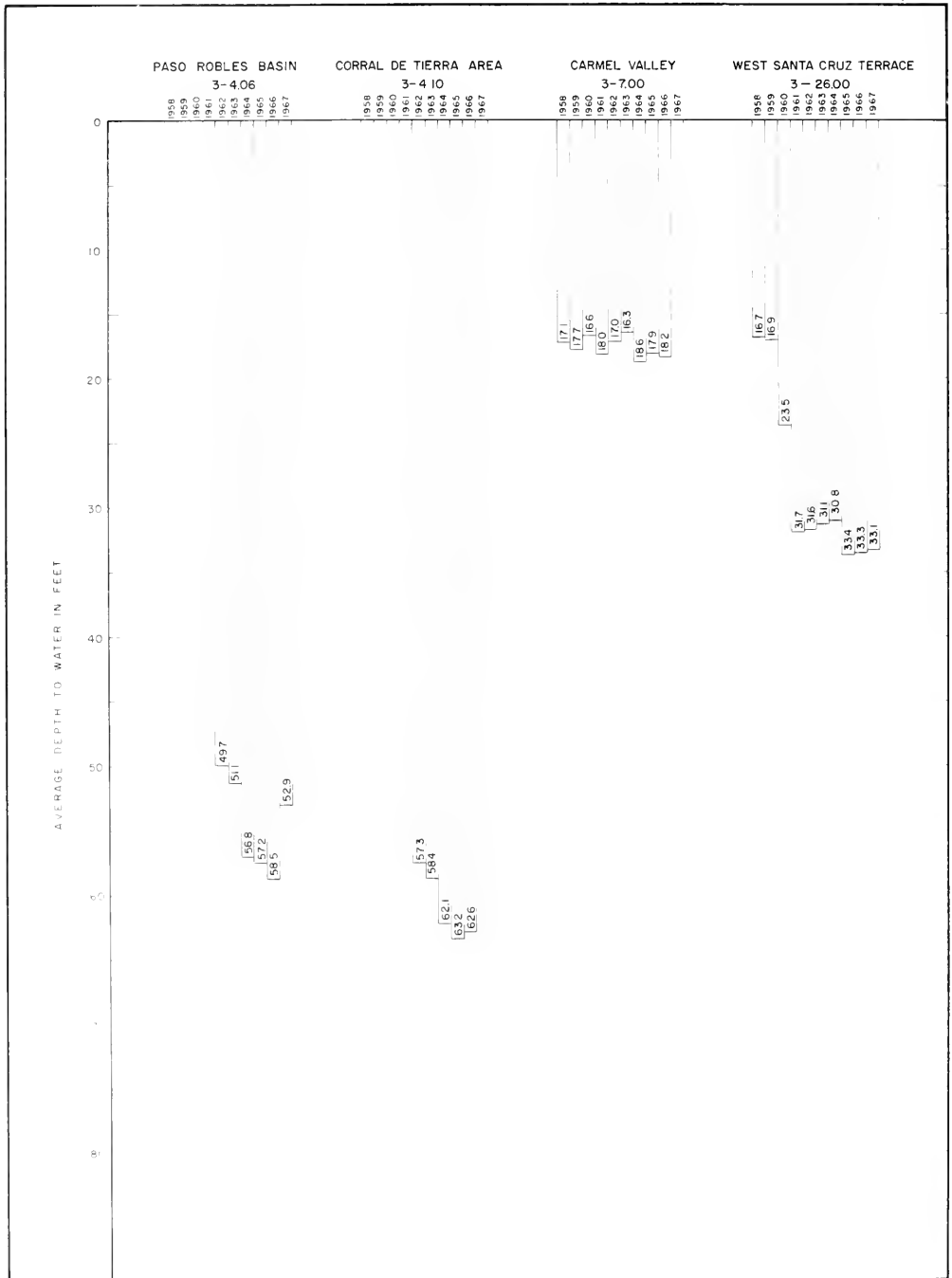


TABLE C-1
AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED
CENTRAL COASTAL AREA

GROUND WATER BASIN OR AREA		AVERAGE CHANGE SPRING 1966 TO SPRING 1967 IN FEET	MEASURING AGENCY	NUMBER OF WELLS MEASURED		
NAME	NUMBER			MONTHLY 1966-67	FALL 1966	SPRING 1967
NORTH COASTAL REGION						
Potter Valley	1-14.00	0.0	Department of Water Resources			2
Ukiah Valley	1-15.00	+0.3	Department of Water Resources			2
Sanel Valley	1-16.00	+0.5	Department of Water Resources			3
Alexander Valley	1-17.00	-0.1	Department of Water Resources			4
Santa Rosa Valley	1-18.00	-0.1				
Santa Rosa Area	1-18.01	0.0	Department of Water Resources			10
Healdsburg Area	1-18.02	-0.3	U. S. Geological Survey	0		
Lower Russian River Valley	1-08.00	+3.0	Department of Water Resources			3
SAN FRANCISCO BAY REGION						
Petaluma Valley	2-01.00	+4.2	Department of Water Resources	3		3
Napa-Sonoma Valley	2-02.00	+2.5				
Napa Valley	2-02.01	+2.6	Napa County Department of Water Resources	5		113
Sonoma Valley	2-02.02	+2.3	Department of Water Resources	4		1
Suisun-Fairfield Valley	2-03.00	+2.0	Solano County Department of Water Resources	7	15	15
Ygnacio Valley	2-06.00	+3.3	Department of Water Resources	4		1
Santa Clara Valley	2-09.00	+2.7				
East Bay Area	2-09.01	+7.7	Alameda County FC&WCD Alameda County Water District	3 5	44 394	41 394
South Bay Area	2-09.02	-0.5	Santa Clara Valley WCD U. S. Geological Survey	234 3		
Livermore Valley	2-10.00	+11.7	Alameda County FC&WCD	12	133	130
Half Moon Bay Terrace	2-22.00	+3.5	Department of Water Resources	4		4
San Gregorio Valley	2-24.00	+1.3	Department of Water Resources	2		3
Pescadero Valley	2-26.00	+2.4	Department of Water Resources	3		3

TABLE C-1
AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED
CENTRAL COASTAL AREA

GROUND WATER BASIN OR AREA		AVERAGE CHANGE SPRING 1966 TO SPRING 1967 IN FEET	MEASURING AGENCY	NUMBER OF WELLS MEASURED		
NAME	NUMBER			MONTHLY 1966-67	FALL 1966	SPRING 1967
CENTRAL COASTAL REGION						
Soquel Valley	3-01.00	0.0	Santa Cruz County Department of Water Resources	3	4	7
Pajaro Valley	3-02.00	-1.4	City of Watsonville Monterey County FC&WCD Santa Cruz County Department of Water Resources	4	38 50	9 53 4
Gilroy-Hollister Valley	3-03.00	+5.8				
South Santa Clara County	3-03.01	+13.1	City of Gilroy Santa Clara Valley WCD South Santa Clara Valley WCD Department of Water Resources	5 16 5		22 17
San Benito County	3-03.02	+2.1	Pacheco Pass Water District U. S. Geological Survey Department of Water Resources		26	76 2
Salinas Valley	3-04.00	*				
Pressure Area	3-04.01	*	Monterey County FC&WCD	25	170	
East Side Area	3-04.02	*	Monterey County FC&WCD	16	101	
Forebay Area	3-04.03	*	Monterey County FC&WCD	11	57	
Arroyo Seco Cone	3-04.04	*	Monterey County FC&WCD	5	21	
Upper Valley Area	3-04.05	*	Monterey County FC&WCD	11	44	
Paso Robles Basin	3-04.06	+5.6	San Luis Obispo County FC&WCD		96	79
Seaside Area	3-04.08	*	Monterey County FC&WCD Post Engineer, Fort Ord	2	13	
Langley Area	3-04.09	*	Monterey County FC&WCD		14	
Corral de Tierra Area	3-04.10	*	Monterey County FC&WCD	4	25	
Carmel Valley	3-07.00	*	Monterey County FC&WCD	4	31	
West Santa Cruz Terrace	3-26.00	+0.2	Santa Cruz County		6	6
TOTAL				420	1307	1004
* Insufficient Data to Compute Change						

Ground Water Levels at Wells

Following is an explanation of the column headings and the code symbols used in the tables showing ground water levels at wells:

State Well Number - See Appendix C, Introduction.

Ground Surface Elevation - These numbers indicate the elevation in feet above mean sea level (USC&GS datum) of the ground surface at the well. Elevations of ground surface are usually taken from topographic maps and the accuracy is controlled by topographic standards.

Date - The date shown in the column is the date when the depth measurement given in the next column was made. If the day of the month is unknown, it is indicated by 00.

Ground Surface to Water Surface - This is the measured depth in feet from the ground surface to the water surface in the well. Certain depth measurements in the column may be preceded by a number in parenthesis to indicate a questionable measurement. The code applicable to these "questionable measurements" is as follows:

- | | |
|---------------------------|--|
| (0) Caved or deepened | (5) Air or pressure gage measurement |
| (1) Pumping | (6) Other |
| (2) Nearby pump operating | (7) Recharge operation at or near well |
| (3) Casing leaking or wet | (8) Oil in casing |
| (4) Pumped recently | |

When a measurement was attempted but could not be obtained, then only a number in parenthesis is shown in the column. The code applicable to these "no measurements" is as follows:

- | | |
|-------------------------------|------------------------------|
| (0) Measurements discontinued | (5) Unable to locate well |
| (1) Pumping | (6) Well has been destroyed |
| (2) Pumphouse locked | (7) Special |
| (3) Tape hung up | (8) Casing leaking or wet |
| (4) Cannot get tape in casing | (9) Temporarily inaccessible |

The words FLOW and DRY are shown in this column to indicate a flowing or a dry well. A minus preceding the number in this column indicates that the static water level in the well is this distance in feet above the ground surface.

Water Surface Elevation - This is the elevation in feet above mean sea level (USC&GS datum) of the water surface in the well. It was derived by subtraction of the depth measurement from the ground surface elevation.

Agency Supplying Data - Each number in this column is the code number for the agency supplying data for that measurement. The agencies supplying data for this report and the code numbers assigned to them are as follows:

Agency Code

Agency

North Coastal Region (No. 1)

5000	U. S. Geological Survey
5050	Department of Water Resources

San Francisco Bay Region (No. 2)

2400	Santa Clara Valley Water Conservation District
5000	U. S. Geological Survey
5050	Department of Water Resources
5100	Alameda County Flood Control and Water Conservation District
5101	Napa County
5109	Solano County
5401	Alameda County Water District

Central Coastal Region (No. 3)

2100	Monterey County Flood Control and Water Conservation District
2400	Santa Clara Valley Water Conservation District
5050	Department of Water Resources
5005	Post Engineer, Fort Ord
5101	San Benito County
5102	Santa Cruz County
5117	San Luis Obispo County Flood Control and Water Conservation District
5200	Gilroy, City of
5400	South Santa Clara Valley Water Conservation District

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION (No. 1)					
POTTER VALLEY 1-14.00					
17W/11W-18J01 M	955.0	3-22-67	-0.8	955.8	5050
17W/11W-32J01 M	905.0	*3-22-67	0.1	904.9	5050
UCIAH VALLEY 1-15.00					
15W/12W-08J01 M	640.0	3-22-67	16.3	623.7	5050
15W/12W-35J01 M	600.0	3-22-67	2.4	597.6	5050
SANTAL VALLEY 1-16.00					
13W/11W-18J01 M	490.0	3-22-67	7.6	482.4	5050
13W/11W-19J01 M	488.0	3-22-67	8.2	479.8	5050
13W/11W-20J01 M	515.0	3-22-67	4.2	510.8	5050
ALEXANDRA VALLEY 1-17.00					
10W/09W-18J01 M	230.0	3-22-67	12.0	218.0	5050
10W/09W-26J02 M	205.0	3-22-67	0.1	204.9	5050
10W/09W-33J01 M	180.0	3-22-67	1.5	178.5	5050
11W/10W-08J01 M	305.0	3-22-67	6.5	298.5	5050
11W/10W-17J02 M	292.0	3-22-67	5.3	286.7	5050
11W/10W-19J02 M	346.0	3-22-67	4.6	341.4	5050
SANTA ROSA VALLEY 1-18.00					
SANTA ROSA AREA 1-18.01					
06W/08W-07J02 M	95.0	3-21-67 (8)	14.7	80.3	5050
06W/08W-13J01 M	115.0	3-21-67	15.6	99.4	5050
06W/08W-15J03 M	95.0	3-21-67	13.6	81.4	5050
06W/08W-15J01 M	95.0	3-21-67	18.7	76.3	5050
07W/06W-19J01 M	465.0	3-22-67	3.5	461.5	5050

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SANTA ROSA AREA 1-18.01 (CONT.)					
07W/07W-06J01 M	275.0	3-22-67	4.2	270.8	5050
07W/08W-11J01 M	160.0	3-22-67	6.2	153.8	5050
07W/08W-24J02 M	150.0	3-21-67	11.5	178.5	5050
07W/09W-01J01 M	90.0	3-21-67	(2)		5050
07W/09W-35J02 M	135.0	3-21-67	30.7	104.3	5050
08W/09W-36J01 M	90.0	3-21-67	(5)		5050
08W/09W-36J01 M	90.0	3-21-67 (3)	53.9	36.1	5050
HEALDSBURG AREA 1-18.02					
08W/09W-03J01 M	77.0	10-14-66 (4) 11-18-66 (6) 12-16-66	7.7 2.9 5.5	69.3 74.1 71.5	5000
		1-17-67	7.1	74.4	
		2-13-67	2.6	77.8	
		3-13-67	-0.8	73.4	
		4-24-67	3.6	71.9	
		5-12-67	5.1	71.5	
		6-14-67	5.5	70.5	
		7-15-67	6.5	71.1	
		8-16-67	5.9	75.9	
		9-11-67	1.1		
08W/09W-22J01 M	67.0	10-14-66 (1) 11-18-66 12-16-66	30.3 29.3 25.2	36.7 37.7 41.8	5000
		1-17-67	28.3	38.7	
		2-13-67 (1)	26.4	40.6	
		3-13-67	26.1	40.9	
		4-24-67	24.2	42.8	
		5-12-67	26.9	40.1	
		6-14-67 (1)	31.2	35.8	
		7-15-67	30.8	36.2	
		8-16-67 (9)			
		9-11-67	30.3	36.7	
09W/09W-20J02 M	100.0	10-14-66 11-18-66 12-16-66	16.6 15.1 14.5	83.4 84.9 85.5	5000

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
HEADSBURG AREA 1-18.02 (CONT.)					
09N/09N-20E02 M CONT.	100.0	1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67	(1) 15.8 14.5 13.8 12.9 14.9 15.7 16.1 16.4 14.5	84.2 85.5 86.2 87.1 85.1 84.3 83.9 83.6 85.5	5000
09N/09N-20E04 M	97.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67	(1) 14.3 6.1 2.0 3.3 1.8 1.9 0.4 2.1 3.3 4.7 5.5 5.4	82.7 90.9 95.0 93.7 95.2 95.1 96.6 94.9 93.7 92.3 91.5 91.6	5000
09N/09N-28W01 M	90.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67	24.5 18.2 14.9 16.6 15.6 14.3 14.3 16.5 17.4 19.2 19.6 22.1	65.5 71.8 75.1 73.4 74.4 75.7 75.7 73.5 72.6 72.1 70.4 67.9	5000
09N/10W-12001 M	120.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67	(2) 13.3 13.7 10.8 11.8 10.8 11.5 10.2 9.4 11.8 12.5 13.0	106.7 106.3 109.2 108.2 108.5 109.8 109.8 110.6 108.2 107.5 107.0	5000
HEADSBURG AREA 1-18.02 (CONT.)					
09N/10W-12001 M	120.0	8-16-67 9-11-67		13.2 14.1	5000
10W/10W-22D01 M	180.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67	(4) 11.8 10.0 8.4 10.0 8.5 8.1 7.0 9.2 (1) 10.2 10.5 10.9 13.3	168.2 170.0 171.6 170.0 171.5 171.9 173.0 170.8 169.8 169.5 169.1 166.7	5000
10W/10W-26W01 M	161.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67		11.8 10.4 9.0 10.6 8.9 8.8 8.0 10.2 10.7 11.6 12.0	5000
10W/10W-35W01 M	142.0	10-14-66 11-18-66 12-16-66 1-17-67 2-13-67 3-13-67 4-24-67 5-12-67 6-14-67 7-15-67 8-16-67 9-11-67		5.9 5.6 0.5 1.5 0.6 0.2 0.0 0.7 1.6 2.7 3.9 4.8	5000
LOWER RUSSIAN RIVER VALLEY 1-98.00					
07W/10W-06W01 M	25.0	4-25-67		13.6	5050

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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LOWER RUBSIAN RIVER VALLEY 1-98.00 (CONT.)

07W/11W-14B01 M	25.0	3-21-67	13.8	11.2	5050
08W/10W-23D02 M	50.0	3-21-67	1.7	48.3	5050

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SAN FRANCISCO BAY REGION (No. 2)

PETALUMA VALLEY 2-01.00					
03W/06W-01Q01 M	2.0	3-21-67	-0.5	2.5	5050
05W/07W-19W01 M	45.0	3-21-67	3.2	41.8	5050
05W/07W-2-B-2 M	41.0	10-17-66	64.0	-23.0	5050
		11-16-66	61.1	-20.1	
		12-14-66	57.0	-16.0	
		1-18-67	56.1	-15.1	
		2-15-67	54.6	-13.6	
		3-20-67	50.9	-9.9	
		4-24-67	51.5	-10.5	
		5-17-67	57.2	-16.2	
		8-15-67	63.5	-22.5	
		9-19-67	65.3	-24.3	
05W/07W-21B01 M	65.0	10-17-66	45.9	19.1	5050
		11-16-66	46.7	18.3	
		12-14-66	42.3	22.7	
		1-18-67	30.6	25.4	
		2-15-67	30.5	34.5	
		3-20-67	29.9	35.1	
		4-24-67	26.2	38.8	
		5-17-67	26.1	38.9	
		8-15-67	34.5	30.5	
		9-19-67	35.5	29.5	
05W/07W-26B01 M	53.6	10-17-66	(1)	20.1	5050
		11-16-66	(4)	22.8	
		12-14-66	(4)	28.9	
		1-18-67	27.0	26.6	
		2-15-67	21.4	32.2	
		3-20-67	18.9	34.7	
		4-24-67	16.0	37.6	
		5-17-67	15.7	37.9	
		8-15-67	19.7	33.9	
		9-19-67	21.7	31.9	
05W/07W-35B01 M	18.8	3-21-67	6.5	12.3	5050
NAPA SONOMA VALLEY 2-02.00					
NAPA VALLEY 2-02.01					
04W/04W-02L01 M	25.0	5-15-67	3.1	21.9	5101
04W/04W-04C01 M	12.0	5-1-67	5.2	6.8	5101

TABLE C-2
GROUND WATER LEVELS AT WELLS
CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA VALLEY 2-02.01 (CONT.)					
05W/04W-05B01 M	31.0	5-1-67	7.0	24.0	5101
04W/04W-05D02 M	22.0	5-1-67	5.6	16.4	5101
04W/04W-12B01 M	48.0	5-1-67	12.0	36.0	5101
04W/04W-14C02 M	34.0	5-1-67	32.7	1.3	5101
04W/04W-25X01 M	37.0	5-1-67	0.4	36.6	5101
05W/03W-05M01 M	255.0	5-2-67	75.3	179.7	5101
05W/04W-03B01 M	18.0	5-3-67	4.4	13.6	5101
05W/04W-04C01 M	63.5	5-3-67	27.5	36.0	5101
05W/04W-04C01 M	58.0	5-3-67	7.8	50.2	5101
05W/04W-05P01 M	121.0	5-3-67	1.4	119.6	5101
05W/04W-05P02 M	122.0	5-3-67	17.1	104.9	5101
05W/04W-10P01 M	30.0	5-3-67	2.2	27.8	5101
05W/04W-11P03 M	16.0	5-2-67	11.2	4.8	5101
05W/04W-11M01 M	13.0	10-17-66 11-16-66 12-14-66	9.0 7.4 5.0	4.0 5.6 8.0	5090
		1-18-67	7.4	5.6	
		2-15-67	5.5	7.5	
		3-20-67	4.6	8.4	
		4-24-67	4.0	9.0	
		5-17-67	6.3	6.7	
		8-15-67	7.3	5.7	
		9-19-67	8.5	4.5	
05W/04W-12P01 M	130.0	5-2-67	62.8	67.2	5101
05W/04W-12B01 M	121.0	5-17-67	47.7	73.3	5101
05W/04W-13B01 M	132.0	5-2-67	12.9	119.1	5101
05W/04W-13B02 M	120.0	5-2-67	20.8	99.2	5101
05W/04W-14C01 M	17.0	5-2-67 (4)	14.9	2.1	5101
05W/04W-15C02 M	22.0	5-2-67	15.6	6.4	5101
NAPA VALLEY 2-02.01 (CONT.)					
05W/04W-15B01 M	22.0	5-2-67			5101
05W/04W-19B02 M	110.0	5-2-67			5101
05W/04W-20B02 M	50.0	5-2-67			5101
05W/04W-21B01 M	75.0	5-2-67			5101
05W/04W-22M01 M	12.0	5-2-67			5101
05W/04W-28B01 M	37.0	5-1-67			5101
05W/04W-29B01 M	77.0	5-2-67			5101
06W/03W-31B01 M	240.0	5-3-67			5101
06W/03W-31P01 M	145.0	5-1-67			5101
06W/03W-31B01 M	180.0	5-3-67			5101
06W/03W-31B01 M	170.0	5-17-67			5101
06W/03W-31B02 M	167.0	5-17-67			5101
06W/04W-05B01 M	67.0	5-5-67			5101
06W/04W-06B02 M	80.0	5-5-67			5101
06W/04W-06B01 M	75.0	5-4-67			5101
06W/04W-06P01 M	75.0	5-16-67			5101
06W/04W-07B01 M	135.0	5-4-67			5101
06W/04W-08B01 M	70.0	5-4-67			5101
06W/04W-15B01 M	67.0	5-4-67			5101
06W/04W-16P01 M	62.0	5-4-67			5101
06W/04W-17A01 M	67.0	10-17-66 11-16-66 12-14-66 1-18-67 2-15-67 3-20-67 4-24-67	17.7 16.1 8.4 8.9 1.6 1.5 0.7	49.3 50.9 58.6 58.1 65.4 65.5 66.3	5090

GROUND WATER LEVELS AT WELLS CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAFA VALLEY 2-02.01 (CONT.)					
06N/04W-17A01 M CONT.	67.0	5-17-67 8-15-67 (8) 9-19-67 (8)	2-2 11.0 11.0	64.8 56.0 56.0	5050
06N/04W-18A02 M	85.0	5-4-67	17.7	67.3	5101
06N/04W-19B01 M	125.0	5-4-67	13.3	111.7	5101
06N/04W-21C01 M	61.0	5-4-67	0.6	60.4	5101
06N/04W-22F01 M	53.0	5-4-67	15.7	37.3	5101
06N/04W-23J01 M	87.0	4-29-67	12.7	74.3	5101
06N/04W-26N01 M	32.0	5-4-67	10.6	21.4	5101
06N/04W-27L02 M	50.0	1-18-67 2-15-67 3-20-67 4-24-67 5-17-67 8-15-67 9-19-67	36.6 28.0 23.3 20.2 21.9 43.8 43.0	13.4 22.0 26.7 29.8 28.1 6.2 7.0	5050
06N/04W-27N01 M	50.0	5-4-67	13.1	36.9	5101
06N/04W-28K01 M	62.0	4-29-67	4.5	57.5	5101
06N/04W-29B01 M	92.0	5-4-67	4.0	88.0	5101
06N/04W-30C01 M	149.0	5-5-67	3.8	145.2	5101
06N/04W-32A06 M	94.0	5-3-67	7.3	86.7	5101
06N/04W-32L02 M	107.0	5-3-67	23.4	83.6	5101
06N/04W-35003 M	38.0	5-3-67	24.1	13.9	5101
06N/04W-35L03 M	23.0	5-3-67	(4)		5101
06N/04W-36B01 M	105.0	5-4-67	16.0	89.0	5101
06N/05W-12B01 M	180.0	5-4-67	20.3	159.7	5101
07N/04W-30A01 M	112.0	5-5-67	3.3	108.7	5101
07N/04W-30M01 M	114.0	5-5-67	0.9	113.1	5101

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAFA VALLEY 2-02.01 (CONT.)					
07N/04W-31B01 M	90.0	5-5-67	2.9	87.1	5101
07N/04W-32B02 M	180.0	5-5-67	1.6	178.4	5101
07N/05W-03B01 M	188.0	5-10-67	33.7	154.3	5101
07N/05W-03C02 M	188.0	5-10-67	11.0	177.0	5101
07N/05W-04R02 M	172.0	5-10-67	2.4	169.6	5101
07N/05W-05A01 M	182.0	5-10-67	0.7	181.3	5101
07N/05W-06F01 M	245.0	5-10-67	14.9	230.1	5101
07N/05W-06J01 M	215.0	5-10-67	12.0	203.0	5101
07N/05W-08A01 M	175.0	5-10-67	11.9	163.1	5101
07N/05W-08M01 M	190.0	5-10-67	14.3	175.7	5101
07N/05W-09Q01 M	155.0	5-10-67	7.7	147.3	5101
07N/05W-09Q02 M	155.0	10-17-66 11-16-66 12-14-66 1-18-67 2-15-67 3-20-67 4-24-67 5-17-67 8-15-67 9-19-67	18.7 16.7 10.7 9.9 6.2 5.6 6.5 8.2 10.7 13.6	136.3 138.3 144.3 145.1 148.8 149.4 148.5 146.8 144.3 141.4	5050
07N/05W-09Q03 M	155.0	5-10-67	3.5	151.5	5101
07N/05W-10C01 M	162.2	5-10-67	10.7	151.5	5101
07N/05W-14B02 M	139.0	5-9-67	3.7	135.3	5101
07N/05W-14J01 M	140.0	5-9-67	3.8	136.2	5101
07N/05W-15A01 M	143.0	5-8-67	8.8	134.2	5101
07N/05W-15F01 M	141.0	5-8-67	7.2	133.8	5101
07N/05W-16I01 M	171.0	5-8-67	8.5	162.5	5101

TABLE C-2
GROUND WATER LEVELS AT WELLS
CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA VALLEY 2-02.01 (CONT.)					
07N/05N-16N02 M	193.0	5-8-67	12.4	180.6	5101
07N/05N-17N01 M	166.0	5-8-67	2.4	163.6	5101
07N/05N-17N02 M	161.0	5-8-67	-0.3	161.3	5101
07N/05N-21N01 M	152.0	5-8-67	-2.2	154.2	5101
07N/05N-22N03 M	140.0	5-8-67	-0.3	140.3	5101
07N/05N-22N01 M	133.0	5-8-67	4.9	128.1	5101
07N/05N-23N02 M	127.0	5-8-67	0.3	126.7	5101
07N/05N-23N01 M	115.0	5-8-67	2.2	112.8	5101
07N/05N-24N01 M	127.0	5-8-67	0.9	126.1	5101
07N/05N-25N01 M	163.0	5-5-67	14.2	148.8	5101
07N/05N-26N02 M	127.0	5-8-67	2.5	124.5	5101
07N/05N-34N02 M	190.0	5-5-67	6.5	183.5	5101
07N/05N-35N02 M	175.0	5-5-67	2.8	172.2	5101
07N/05N-36N01 M	141.0	5-8-67	3.4	137.6	5101
07N/06N-01N01 M	264.0	5-10-67	13.0	251.0	5101
08N/05N-30N01 M	220.0	5-10-67	0.7	219.3	5101
08N/05N-31N01 M	212.0	5-10-67	11.1	200.9	5101
08N/05N-31N02 M	237.0	5-10-67	16.3	220.7	5101
08N/05N-31N01 M	210.0	5-10-67	6.6	203.4	5101
08N/05N-32N04 M	192.0	5-10-67	4.1	187.9	5101
08N/06N-03N01 M	330.0	5-9-67	35.2	294.8	5101
08N/06N-04N01 M	330.0	5-9-67	64.3	265.7	5101
08N/06N-06N04 M	335.0	5-9-67	4.1	330.9	5101

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA VALLEY 2-02.01 (CONT.)					
08N/06N-09N02 M	290.0	5-9-67	9.8	280.2	5101
08N/06N-09N01 M	290.0	5-9-67	1.3	288.7	5101
08N/06N-09N02 M	291.5	5-9-67	2.1	289.4	5101
08N/06N-10N01 M	290.0	10-17-66	9.6	280.4	5050
		11-16-66	9.5	280.5	
		12-14-66	1.5	288.5	
		1-18-67	1.9	288.1	
		2-15-67	1.4	288.6	
		3-20-67	-0.1	290.1	
		4-24-67	1.0	289.0	
		5-17-67	1.6	288.4	
		8-22-67	4.0	286.0	
		9-19-67	(4) 13.0	277.0	
08N/06N-14N01 M	285.0	5-9-67	9.1	275.9	5101
08N/06N-14N01 M	290.0	5-9-67	5.0	285.0	5101
08N/06N-23N01 M	285.0	5-9-67	4.9	280.1	5101
08N/06N-24N01 M	300.0	5-9-67	7.2	292.8	5101
08N/06N-25N02 M	230.0	5-9-67	(4) 9.0	221.0	5101
09N/06N-31N01 M	340.0	5-9-67	1.8	338.2	5101
09N/06N-32N01 M	360.0	5-9-67	9.5	350.5	5101
09N/07N-24N01 M	460.0	5-9-67	9.6	450.4	5101
09N/07N-25N01 M	380.0	5-9-67	4.9	375.1	5101
09N/07N-25N02 M	380.0	5-9-67	4.5	375.5	5101
09N/07N-26N01 M	400.0	5-9-67	1.0	399.0	5101
09N/07N-35N01 M	399.0	5-9-67	1.8	397.2	5101
SONOMA VALLEY 2-02.02					
05N/05N-17N01 M	85.0	10-17-66	(2) 29.8	55.2	5050
		11-16-66	27.1	57.9	
		12-14-66	22.6	62.4	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SONOMA VALLEY 2-02.02 (CONT.)					
05N/05N-17C01 M CONT.	85.0	1-19-67 2-1-67 3-20-67 4-28-67 5-17-67 8-15-67 9-19-67	20.7 20.2 22.3 16.9 19.2 22.4 23.2	64.3 64.8 62.7 68.1 65.8 62.6 61.8	5050
05N/05N-28N01 M	11.0	3-21-67	6.6	4.4	5050
05N/05N-29N01 M	16.0	10-17-66 11-16-66 12-14-66 1-18-67 2-15-67 3-20-67 4-28-67 5-17-67 8-15-67 9-19-67	13.1 12.8 9.2 9.8 4.2 3.6 1.9 5.9 10.4 10.6	2.9 12.8 6.8 6.2 11.8 12.4 14.1 10.1 5.6 5.4	5050
05N/05N-30J03 M	16.0	10-17-66 11-16-66 12-14-66 1-18-67 2-15-67 3-20-67 4-28-67 5-17-67 8-15-67 9-19-67	15.1 14.5 10.0 9.8 5.1 4.0 6.6 13.5 13.8	0.9 1.5 6.0 6.2 10.9 12.0 9.4 2.5 2.2	5050
SUISUN-FAIRFIELD VALLEY 2-03.00					
04N/02N-06A01 M	35.0	10-20-66 5-8-67	17.4 13.2	17.6 21.8	5109
04N/02N-09A01 M	7.0	10-17-66 10-20-66 11-17-66 12-15-66 1-19-67 2-16-67	2.1 2.0 1.9 -0.5 0.0 Flow	4.9 5.0 5.1 7.5 7.0	5050 5109 5050
SUISUN-FAIRFIELD VALLEY 2-03.00 (CONT.)					
04N/02N-09A01 M CONT.	7.0	3-18-67 4-28-67 5-8-67 5-17-67 8-19-67 9-12-67	Flow Flow -0.5 -0.5 0.6 0.7	Flow Flow 7.5 7.5 6.4 6.3	5050 5109 5050
04N/02N-09H01 M	4.0	10-17-66 11-17-66 12-15-66 1-19-67 2-16-67 3-18-67 4-28-67 5-17-67 8-19-67 9-12-67	1.9 0.1 0.0 -0.2 Flow Flow Flow (1) 2.2 0.8	2.1 3.9 4.0 4.2 1.8 3.2	5050
04N/03N-01D01 M	37.0	10-20-66 5-8-67	8.0 2.1	29.0 34.9	5109
05N/01N-07B01 M	115.0	10-19-66 5-2-67	15.1 11.3	99.9 103.7	5109
05N/02N-21P03 M	60.0	10-17-66 10-19-66 11-18-66 12-16-66 1-20-67 2-17-67 3-15-67 4-26-67 5-2-67 8-17-67 9-12-67	11.5 11.8 12.1 11.0 3.6 3.3 3.3 4.0 10.2 9.4 10.5	48.5 48.2 47.0 49.0 49.6 56.4 54.1 56.7 56.0 49.8 50.6 49.5	5050 5109 5050 5109 5050
05N/02N-25R01 M	7.0	10-17-66 11-18-66 12-16-66 1-20-67 2-17-67 3-18-67 4-28-67 5-17-67 8-18-67 9-12-67	6.0 5.6 0.9 2.5 0.9 0.1 0.4 2.7 5.5 5.9	1.0 1.4 6.1 4.5 4.1 6.9 6.6 4.3 1.5 1.2	5050

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE WATER ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUISUN-FAIRFIELD VALLEY 2-03.00 (CONT.)					
05N/02N-27J02 M	24.0	10-17-66	8.0	16.0	5050
		11-18-66	6.1	17.9	
		12-16-66	(2)	15.0	
		1-20-67	6.6	17.4	
		2-17-67	6.8	17.2	
		3-15-67	(2)	-5.6	
		4-26-67	(2)	24.7	
		5-17-67	7.7	16.3	
		8-19-67	(2)	13.8	
		9-12-67	6.7	17.3	
05N/02N-29R01 M	46.0	10-19-66	13.7	32.3	5109
		5-2-67	(1)	9.1	
05N/02N-30V01 M	65.0	10-17-66	(8)	43.1	5050
		11-18-66	(8)	42.5	
		12-16-66	(8)	45.1	
		1-20-67	(8)	43.8	
		2-17-67	14.9	50.1	
		3-15-67	17.0	48.0	
		4-26-67	14.7	50.3	
		5-17-67	17.0	48.0	
		8-19-67	18.3	46.7	
		9-12-67	18.6	46.4	
YGNACIO VALLEY 2-06.00					
01N/01N-07K01 M	83.0	10-25-66	(1)	13.9	5050
		11-16-66	13.2	69.8	
		12-14-66	11.5	71.5	
		1-18-67	12.2	70.8	
		2-14-67	9.3	73.7	
		3-18-67	9.2	73.8	
		4-28-67	8.6	74.4	
		5-15-67	10.6	72.4	
		8-21-67	(1)	68.1	
		9-15-67	12.5	70.5	
01N/02N-11N01 M	63.0	10-25-66	13.8	49.2	5050
		1-16-66	13.3	49.7	
		12-14-66	12.3	50.7	
		1-18-67	12.2	50.8	
		2-14-67	10.1	52.9	
		3-18-67	9.8	53.2	
		4-28-67	9.2	53.8	
YGNACIO VALLEY 2-06.00 (CONT.)					
01N/02N-11N01 M	63.0	5-15-67	10.0	53.0	5050
		8-21-67	12.8	49.4	
		9-15-67	13.6		
01N/02N-13R01 M	100.0	3-17-67	4.2	95.8	5050
02N/02N-27R01 M	15.0	10-25-66	6.5	8.5	5050
		11-16-66	5.2	9.8	
		12-14-66	3.7	11.3	
		1-18-67	4.0	11.0	
		2-14-67	1.9	13.1	
		3-18-67	0.9	14.1	
		4-28-67	0.8	14.2	
		5-15-67	2.0	13.0	
		8-21-67	6.7	8.3	
		9-15-67	6.7	8.3	
02N/02N-36R01 M	48.0	10-25-66	18.8	29.2	5050
		11-16-66	18.3	29.7	
		12-14-66	16.3	31.7	
		1-18-67	17.3	30.7	
		2-14-67	13.5	34.5	
		3-18-67	11.1	36.9	
		4-28-67	10.4	37.6	
		5-15-67	12.8	35.2	
		8-21-67	15.8	32.2	
		9-15-67	16.3	31.7	
SANTA CLARA VALLEY 2-09.00					
EAST BAY AREA ABOVE HAYWARD FAULT 2-09.01					
04S/01N-35P03 M	115.3	10-28-66	141.1	-25.8	5401
		11-11-66	133.0	-17.7	
		12-30-66	117.5	-2.2	
		1-20-67	112.9	2.4	
		2-17-67	108.3	7.0	
		3-17-67	104.0	11.3	
		4-21-67	97.1	18.2	
		5-5-67	95.1	20.2	
		6-23-67	101.0	14.3	
		7-21-67	117.1	-1.8	
		8-18-67	122.5	-7.2	
		9-18-67	122.2	-7.0	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EAST BAY AREA UPPER AQUIFER 2-09-01					
03S/02W-08N02 M	48.0	10-19-66 (4) 11-9-66 12-14-66 23.4 24.8 23.2 17.2 2-2-67 30.8 3-1-67 18.2 4-5-67 17.2 5-4-67 18.9 6-7-67 31.0 7-5-67 20.4 8-1-67 28.0 9-6-67 20.3	(4) (4) (4) 23.4 24.8 23.2 17.2 2-2-67 30.8 3-1-67 18.2 4-5-67 17.2 5-4-67 18.9 6-7-67 31.0 7-5-67 20.4 8-1-67 28.0 9-6-67 20.3	51.00 24.6 24.8 30.8 29.8 30.8 29.1 29.1 27.6 28.0 27.7	5100
03S/02W-08N05 M	64.0	10-7-66 3-14-67	35.8 33.1	28.2 30.9	5100
03S/02W-19J01 M	30.0	10-19-66 11-9-66 12-14-66 13.8 13.5 12.9 17.1 1-4-67 13.0 2-2-67 10.8 3-1-67 10.8 4-5-67 10.3 5-4-67 9.0 6-7-67 9.6 7-5-67 10.0 8-1-67 10.5 9-6-67 10.8	13.8 13.5 12.9 17.1 1-4-67 13.0 2-2-67 10.8 3-1-67 10.8 4-5-67 10.3 5-4-67 9.0 6-7-67 9.6 7-5-67 10.0 8-1-67 10.5 9-6-67 10.8	16.2 16.5 17.0 17.0 19.2 19.2 19.7 21.0 20.4 20.0 19.5 19.2	5100
03S/03W-24Q02 M	7.0	10-6-67 3-13-67	(7) (7)		5100
04S/01W-18Q01 M	45.0	10-21-66 11-18-66 12-16-66 78.0 73.7 69.7 1-27-67 2-24-67 67.3 3-24-67 63.6 4-21-67 (0)	77.7 11-18-66 78.0 73.7 69.7 1-27-67 2-24-67 67.3 3-24-67 63.6 4-21-67 (0)	-32.7 -33.0 -28.7 -24.7 -22.3 -18.6	5401
04S/01W-18H03 M	47.0	4-21-67 5-5-67 6-16-67 7-28-67 8-25-67 9-8-67	62.5 61.0 61.3 65.4 69.2 66.9	-15.5 -14.0 -14.3 -18.4 -21.2 19.9	5401
EAST BAY AREA LOWER AQUIFER 2-09-01					
02S/03W-36R01 M	45.0	10-7-66 3-16-67	91.9 74.2	-47.9 -29.2	5100
03S/03W-24J01 M	11.0	10-19-66 11-9-66 12-14-66 83.6 74.4 70.8 1-6-67 2-2-67 67.0 3-1-67 65.2 4-5-67 62.8 5-4-67 60.0 6-7-67 61.0 7-5-67 61.4 8-1-67 63.5 9-6-67 64.8	85.0 83.6 74.4 70.8 67.0 65.2 62.8 60.0 61.0 61.4 63.5 64.8	-74.0 -72.6 -63.4 -59.9 -56.0 -54.2 -51.8 -40.0 -50.0 -50.4 -52.5 -53.9	5100
03S/03W-36R03 M	5.0	10-6-66 3-13-67	92.7 69.0	-37.7 -64.0	5100
04S/02W-02Q01 M	26.0	5-5-67 9-21-67	64.5 95.8	-38.5 -0.9	5401

(CONT.)

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE WATER IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EAST BAY AREA LOWER AQUIFER 2-09-01 (CONT.)					
04S/02W-35R02 M	15.0	10-28-66	71.5	-56.5	5401
		11-11-66	70.6	-55.6	
		12-23-66	50.8	-35.8	
		1-20-67	48.1	-33.1	
		2-17-67	42.7	-27.7	
		3-17-67	39.9	-24.9	
		4-21-67	34.2	-19.2	
		5-5-67	34.2	-19.2	
		6-23-67	(7)		
		7-21-67	55.8	-40.8	
		8-18-67	59.4	-44.4	
		9-1-67	57.4	-42.4	
05S/01W-09M01 M	15.0	5-8-67	42.3	-27.3	5401
		9-21-67	72.3	-57.3	
SOUTH BAY AREA 2-09-02					
06S/01E-07B01 M	15.8	10-24-66	115.4	-99.6	2400
		11-21-66	106.9	-91.1	
		12-19-66	100.5	-84.7	
		1-20-67	97.7	-81.9	
		2-17-67	92.8	-77.0	
		3-22-67	88.4	-72.6	
		4-24-67	80.8	-65.0	
		5-18-67	85.7	-69.9	
		6-20-67	(7)		
		7-20-67	(7)		
		8-24-67	(7)		
		9-25-67	(7)		
06S/01E-21R01 M	138.0	10-24-66	218.8	-80.8	2400
		11-9-66	216.9	-78.9	
		12-20-66	211.6	-73.6	
		1-19-67	206.4	-68.4	
		2-16-67	195.2	-57.2	
		3-21-67	192.4	-54.4	
		4-19-67	188.8	-50.8	
		5-17-67	184.2	-46.2	
		6-14-67	193.3	-55.3	
		7-26-67	203.2	-65.2	
		8-22-67	206.7	-68.7	
		9-22-67	(1)		
SOUTH BAY AREA 2-09-02 (CONT.)					
06S/01E-23R02 M	240.5	10-21-66	122.5	118.0	2400
		11-9-66	123.1	117.4	
		12-20-66	121.3	119.2	
		1-13-67	120.8	118.3	
		2-15-67	122.2	118.3	
		3-20-67	121.0	119.5	
		4-18-67	118.8	121.7	
		5-16-67	118.6	121.9	
		6-14-67	118.4	122.1	
		7-13-67	118.3	122.2	
		8-22-67	117.4	123.1	
		9-21-67	117.1	123.4	
06S/01E-30M01 M	43.0	10-25-66	148.0	-105.0	2400
		11-22-66	131.3	-88.3	
		12-22-66	122.2	-79.2	
		1-23-67	121.3	-78.3	
		2-20-67	119.4	-76.4	
		3-22-67	107.5	-64.5	
		4-24-67	106.3	-63.3	
		5-19-67	122.0	-79.0	
		6-22-67	(1)		
		7-21-67	143.7	-100.7	
		8-25-67	134.2	-91.2	
		9-25-67	132.0	-99.0	
06S/01W-23B01 M	21.0	10-24-66	131.4	-110.4	5000
		11-20-66	119.6	-98.6	
		12-19-66	111.0	-90.0	
		1-16-67	107.0	-86.0	
		2-13-67	100.9	-79.9	
		3-13-67	99.0	-78.0	
		4-11-67	92.0	-71.0	
		5-8-67	88.6	-67.6	
		6-5-67	107.9	-86.9	
		7-5-67	131.3	-110.3	
		7-31-67	151.9	-130.9	
		8-28-67	132.2	-111.2	
		9-25-67	144.8	-123.8	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SOUTH BAY AREA 2-09.02 (CONT.)

06S/024-16R01 M	48.0	10-27-66	122.3	-74.3	2400
		11-28-66	118.8	-70.8	
		12-27-66	114.5	-66.5	
		1-27-67	114.3	-66.3	
		2-27-67	(7)		
		3-28-67	118.6	-70.6	
		4-27-67	115.3	-67.3	
		5-27-67	118.6	-70.6	
		6-27-67	121.2	-73.2	
		7-25-67	114.6	-66.6	
		8-29-67	119.7	-71.7	
		9-27-67	121.4	-73.4	

06S/024-25001 M	73.0	10-26-66	167.2	-94.2	2400
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		11-23-66	159.6	-86.6	
		12-27-66	153.3	-80.3	
		1-26-67	151.5	-78.5	
		2-21-67	131.4	-98.4	
		3-27-67	128.5	-95.5	
		4-26-67	126.6	-93.6	
		5-25-67	134.8	-61.8	
		6-26-67	139.4	-66.4	
		7-24-67	140.2	-67.2	
		8-28-67	142.7	-69.7	
		9-26-67	134.4	-61.4	

06S/024-35001 M	140.1	10-27-66	273.4	-133.3	2400
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		11-23-66	259.7	-119.6	
		12-28-66	252.3	-112.2	
		1-27-67	250.7	-110.6	
		2-27-67	243.6	-103.5	
		3-27-67	243.0	-102.9	
		4-27-67	241.9	-101.8	
		5-25-67	263.7	-123.6	
		6-26-67	271.3	-131.2	
		7-25-67	273.4	-133.3	
		8-29-67	277.7	-137.6	
		9-27-67	276.4	-136.3	

07S/01E-1K01 M	179.0	10-21-66	202.0	-23.0	2400
		11-18-66	200.0	-21.0	
		12-21-66	197.0	-18.0	
		1-18-67	195.0	-16.0	
		2-15-67	194.0	-15.0	
		3-20-67	(7)		

SOUTH BAY AREA 2-09.02 (CONT.)

07S/01E-1K01 M	179.0	4-18-67	(6)	187.0	-8.0	2400
		5-16-67	(6)	185.0	-6.0	
		6-14-67	(6)	187.0	-8.0	
		7-18-67	(6)	190.0	-11.0	
		8-21-67	(6)	192.0	-13.0	
		9-22-67	(6)	190.0	-11.0	

07S/01E-8L01 M	88.0	10-27-66	(8)	161.8	-73.8	2400
		11-28-66	(8)	154.0	-66.0	
		12-20-66	(6)	151.7	-63.7	
		1-30-67	(6)	146.0	-59.0	
		2-28-67		141.0	-53.0	
		3-23-67		137.0	-49.0	
		4-17-67		132.0	-44.0	
		5-29-67		155.4	-67.4	
		6-19-67	(8)	161.7	-73.7	
		7-26-67	(6)	159.4	-71.4	
		8-30-67	(6)	155.7	-67.7	
		9-28-67	(6)	157.4	-69.4	

07S/01E-9D02 M	95.9	10-24-66		197.6	-101.7	5000
		11-20-66		186.6	-90.7	
		12-19-66		181.4	-85.5	
		1-16-67		174.9	-79.0	
		2-13-67		168.0	-72.1	
		3-13-67		162.3	-66.4	
		4-11-67		158.7	-62.8	
		5-8-67		155.5	-59.6	
		6-5-67		159.1	-63.2	
		7-5-67		170.8	-74.9	
		8-28-67		198.0	-92.1	
		9-25-67		194.6	-88.7	
				181.8	-95.0	

07S/01E-16005 M	105.0	10-24-66		287.4	-142.4	5000
		11-20-66		284.4	-119.4	
		12-19-66		211.8	-106.8	
		1-16-67		212.4	-107.4	
		2-13-67		205.9	-100.9	
		3-13-67		204.2	-99.2	
		4-11-67		191.5	-88.5	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09.02 (CON'T.)					
OTS/01E-16005 M	105.0	5-8-67	195.4	-90.4	5000
		6-5-67	193.5	-88.5	
		7-5-67	228.8	-123.8	
		7-31-67	237.6	-132.6	
		8-28-67	252.5	-147.5	
		9-25-67	248.9	-143.8	
OTS/01E-31402 M	151.6	10-19-66	224.1	-72.5	2400
		11-16-66	211.5	-59.9	
		12-14-66	190.0	-39.4	
		1-17-67	168.2	-16.6	
		2-14-67	160.3	-8.7	
		3-17-67	152.7	-1.1	
		4-17-67	149.8	1.8	
		5-12-67	144.4	7.2	
		6-13-67	136.6	15.0	
		7-17-67	142.5	9.1	
		8-18-67	164.8	-13.2	
		9-21-67	157.4	-5.8	
OTS/02E-7F01 M	130.0	10-21-66	142.5	-12.5	2400
		11-18-66	140.2	-10.2	
		12-21-66	138.6	-8.6	
		1-18-67	136.3	-6.3	
		2-15-67	135.6	-5.6	
		3-20-67	135.0	-5.0	
		4-18-67	132.4	-2.4	
		5-16-67	133.3	-3.3	
		6-14-67	135.6	-5.6	
		7-18-67	137.4	-7.4	
		8-21-67	139.8	-9.8	
		9-22-67	138.7	-8.7	
OTS/02E-17H01 M	349.0	10-18-66	97.7	251.3	2400
		11-15-66	97.2	251.8	
		12-13-66	96.4	252.6	
		1-16-67	95.8	253.2	
		2-9-67	95.3	253.7	
		3-16-67	94.4	254.6	
		4-13-67	93.8	255.2	
		5-11-67	94.3	254.7	
		6-9-67	95.7	253.3	
		7-13-67	96.6	252.4	
		8-17-67	95.3	253.7	
		9-15-67	94.7	254.3	
SOUTH BAY AREA 2-09.02 (CON'T.)					
OTS/02E-33C01 M	462.0	10-18-66	22.8	439.2	2400
		11-15-66	22.3	439.7	
		12-13-66	21.5	440.5	
		1-12-67	22.6	439.4	
		2-9-67	20.8	441.2	
		3-15-67	19.8	442.2	
		4-13-67	18.5	443.5	
		5-11-67	18.7	443.3	
		6-9-67	21.3	440.7	
		7-13-67	22.6	439.4	
		8-17-67	22.6	439.4	
		9-15-67	20.9	441.1	
OTS/01W-35C01 M	202.0	10-1-66	236.0	-34.0	2400
		11-1-66	239.0	-37.0	
		12-1-66	237.0	-35.0	
		1-1-67	229.0	-27.0	
		2-1-67	216.0	-14.0	
		3-1-67	213.0	-11.0	
		4-1-67	210.0	-8.0	
		5-1-67	200.0	2.0	
		6-1-67	190.0	12.0	
		7-1-67	190.0	12.0	
		8-1-67	190.0	12.0	
		9-1-67	188.0	14.0	
OTS/02W-3P01 M	216.7	10-1-66	360.0	-143.3	2400
		11-1-66	351.0	-134.3	
		12-1-66	345.0	-128.3	
		1-3-67	342.0	-125.3	
		2-2-67	338.0	-121.3	
		3-2-67	336.0	-119.3	
		4-2-67	331.0	-114.3	
		5-1-67	355.0	-138.3	
		6-1-67	360.0	-143.3	
		7-1-67	365.0	-148.3	
		8-1-67	365.0	-148.3	
		9-1-67	365.0	-148.3	
OTS/02W-4B01 M	218.0	10-28-66	202.5	15.5	2400
		11-28-66	197.7	20.3	
		12-29-66	194.4	23.6	
		1-27-67	196.7	21.3	
		2-27-67	209.3	8.7	
		3-28-67	201.4	16.6	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SOUTH BAY AREA 2-09.02 (CONT.)

079/02N-1B01 CONT.	218.0	4-27-67 5-27-67 6-27-67 7-25-67 8-29-67 9-27-67	(6) (b) (6) (6) (6) (6)	193.3 195.2 194.2 195.6 195.4 193.6	24.7 22.8 23.8 22.4 22.6 24.4	2400
079/02N-22A01	340.0	10-28-67 11-28-66 12-29-66 1-27-67 2-27-67 4-28-67 5-27-67 6-27-67 7-25-67 8-30-67 9-27-67	(6) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6)	35.7 24.8 20.4 319.6 320.8 318.6 14.4 325.6 323.2 16.8 25.0 17.6 322.4 323.2 21.6	304.3 315.2 28.3 319.6 320.8 318.6 14.4 325.6 323.2 16.8 25.0 17.6 322.4 323.2 21.6	2400
085/01E-7B02	207.0	10-4-66 11-1-66 12-1-66 1-3-67 2-1-67 3-1-67 4-3-67 5-2-67 6-1-67 6-30-67 8-9-67 9-1-67	(8) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8)	100.7 101.2 100.0 95.8 121.2 72.7 65.3 148.2 58.8 55.4 56.2 57.3 58.1	106.3 105.8 107.0 121.2 134.3 141.7 148.2 58.8 55.4 56.2 57.3 58.1	2400
085/01E-13B01	184.6	10-5-66 11-3-66 12-5-66 1-6-67 2-3-67 3-3-67 4-1-67 5-3-67 6-2-67 7-5-67 8-10-67 9-5-67	(8) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8)	35.2 37.0 40.3 36.6 34.8 31.6 28.8 31.4 32.6 29.9 27.2	149.4 147.6 146.9 144.3 148.0 153.0 155.8 153.2 152.0 154.7 157.4	2400

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SOUTH BAY AREA 2-09.02 (CONT.)

085/02E-20T03	209.0	10-6-66 11-3-66 12-5-66 1-9-67 2-2-67 3-3-67 4-5-67 5-4-67 6-5-67 7-6-67 8-11-67 9-7-67	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	158.7 156.6 156.3 151.5 164.4 169.4 171.5 173.4 175.3 178.8	2400
085/02E-22D01	239.7	10-6-66 11-4-66 12-6-66 1-9-67 2-2-67 3-3-67 4-5-67 5-4-67 6-5-67 7-7-67 8-11-67 9-7-67	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	210.9 209.0 210.8 208.5 224.5 225.2 228.4 226.2 229.3 229.6 228.8 229.1	2400
085/01W-15B01	331.2	10-20-66 11-17-66 12-15-66 1-17-67 2-10-67 3-17-67 4-17-67 5-12-67 6-13-67 7-17-67 8-21-67 9-21-67	(6) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6)	37.0 35.7 35.0 35.5 34.0 33.0 33.4 31.3 30.5 33.0 35.4 34.0	2400
095/02E-11J01	314.6	10-8-66 11-8-66 12-8-66 1-11-67 2-6-67	(9) (9) (9) (9) (9)	248.2 243.2 232.1 255.4 275.9	2400

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA			
SOUTH BAY AREA 2-09.02 (CONT.)								
03S/O2E-1101 M CONT.	314.6	3-6-67	30.7	283.9	2400			
		4-10-67	27.2	287.4				
		5-9-67	27.2	287.4				
		6-7-67	29.9	284.7				
		7-10-67	33.7	280.9				
		8-15-67	30.1	284.5				
03S/O2E-1401 M	287.6	9-12-67	31.5	283.1	2400			
		10-6-66	42.7	244.9				
		11-4-66	43.7	243.9				
		12-6-66	37.3	250.3				
		1-9-67	34.6	253.0				
		2-2-67	28.6	259.0				
03S/O2E-2501 M	555.3	3-6-67	24.2	263.4	5100			
		4-7-67	21.0	266.6				
		5-4-67	14.1	273.5				
		6-5-67	13.7	273.9				
		7-7-67	19.4	268.2				
		8-11-67	21.0	266.6				
		9-8-67	20.4	267.2				
		10-00-66	10.2	545.1				
		4-00-67	7.9	547.4				
		02S/O2E-26001 M	416.9	10-00-66		44.4	372.5	5100
				4-00-67		37.9	379.0	
03S/O1E-07001 M	321.7	10-19-66	147.3	174.4	5100			
		11-9-66	145.5	176.2				
		12-14-66	144.2	177.5				
		1-4-67	128.7	193.0				
		2-2-67	123.5	198.2				
		3-1-67	122.7	199.0				
		4-5-67	118.7	203.0				
		5-4-67	112.2	209.5				
		6-7-67	107.7	214.0				
		7-5-67	110.1	211.6				
		8-1-67	112.9	208.8				
9-6-67	116.0	205.7						
LIVERMORE VALLEY 2-10.00 (CONT.)								
03S/O1E-9R02 M	353.2	10-19-66	107.7	245.5	5100			
		11-19-66	107.2	246.0				
		12-14-66	101.5	251.7				
		1-4-67	120.2	233.0				
		2-1-67	122.9	230.3				
		3-1-67	107.2	246.0				
		4-5-67	68.0	255.2				
		5-3-67	89.3	263.9				
		6-7-67	(1)	266.4				
		7-5-67	(1)	239.7				
		8-1-67	(1)	210.5				
		9-6-67	159.5	193.7				
03S/O1E-10Q02 M	368.7	10-19-66	123.5	245.2	5100			
		11-9-66	119.4	249.3				
		12-14-66	117.5	251.2				
		1-4-67	122.5	246.2				
		2-1-67	118.3	250.4				
		3-1-67	121.0	247.7				
		4-5-67	113.5	255.2				
		5-4-67	114.0	254.7				
		6-7-67	109.6	259.1				
		7-5-67	(1)	246.2				
		8-1-67	(1)	242.7				
		9-6-67	132.5	236.2				
03S/O1E-11H01 M	372.9	10-00-66	125.2	247.7	5100			
		4-00-67	119.2	253.7				
03S/O1E-17R01 M	347.0	10-19-66	158.8	188.2	5100			
		11-9-66	159.0	188.0				
		12-14-66	(2)					
		1-4-67	158.5	188.5				
		2-2-67	156.6	190.4				
		3-1-67	151.8	195.2				
		4-5-67	142.8	204.2				
		5-4-67	147.5	199.5				
		6-7-67	146.0	201.0				
		7-5-67	109.8	237.2				
		8-1-67	109.5	237.5				
		9-6-67	(3)	118.5		228.5		

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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LIVERMORE VALLEY 2-10.00 (CONT.)

03S/01E-19A03 M	328.0	10-19-66	139.7	189.3	5100
		11-9-66	138.2	186.8	
		12-14-66	136.0	182.0	
		3-4-67	132.7	185.3	
		2-1-67	132.5	185.5	
		3-1-67	131.7	186.3	
		4-5-67	120.9	207.1	
		5-4-67	114.7	213.3	
		6-7-67	109.4	218.6	
		7-5-67	114.7	213.3	
		8-1-67	119.6	208.4	
		9-6-67	119.7	208.3	
03S/02E-10D01 M	551.0	10-00-66	128.5	422.5	5100
		4-00-67	90.3	440.7	
03S/02E-10D02 M	508.0	10-19-66	106.2	401.8	5100
		11-9-66	103.1	401.7	
		12-14-66	103.1	404.9	
		1-4-67	102.7	405.3	
		2-1-67	101.7	406.3	
		3-1-67	100.7	407.3	
		4-5-67	100.1	407.9	
		5-4-67	99.4	408.6	
		6-7-67	99.9	409.1	
		7-5-67	100.6	407.4	
		8-1-67	100.8	407.2	
		9-6-67	100.6	407.4	
03S/02E-10D01 M	411.6	10-19-66	104.1	217.5	5100
		11-9-66	192.9	218.7	
		12-14-66	191.7	220.9	
		1-4-67	178.4	233.2	
		2-1-67	164.1	247.5	
		3-1-67	162.1	249.5	
		4-5-67	151.5	240.1	
		5-3-67	137.0	274.6	
		6-7-67	136.3	275.3	
		7-5-67	143.8	267.8	
		8-1-67	150.6	261.0	
		9-6-67	159.7	251.9	

HALF MOON BAY TERRACE 2-22.00

03S/05W-19A01 M	53.0	3-21-67	17.6	35.4	5050
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STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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HALF MOON BAY TERRACE 2-22.00 (CONT.)

05S/05W-20D01 M	73.0	10-26-66	25.3	47.7	5050
		11-17-66	31.1	41.9	
		12-16-66	30.6	42.4	
		1-17-67	28.4	44.6	
		2-14-67	17.4	55.6	
		3-18-67	18.8	54.2	
		4-25-67	18.0	55.0	
		5-16-67	16.2	56.8	
		8-23-67	31.6	41.4	
		9-14-67	30.5	42.5	
05S/05W-20D04 M	50.0	10-26-66	31.5	18.5	5050
		11-17-66	24.0	26.0	
		12-16-66	18.7	31.3	
		1-17-67	13.7	36.3	
		2-14-67	10.6	39.4	
		3-18-67	12.2	37.9	
		4-25-67	8.6	41.4	
		5-16-67	11.1	38.9	
		8-23-67	16.7	33.3	
		9-14-67	19.5	30.5	
05S/05W-20D01 M	46.0	3-21-67	28.9	17.1	5050
05S/05W-32D01 M	90.0	10-26-66	20.6	60.4	5050
		11-17-66	20.5	60.5	
		12-16-66	30.6	58.4	
		1-17-67	30.3	59.7	
		2-14-67	29.7	61.3	
		3-18-67	27.6	62.4	
		4-25-67	25.8	64.2	
		5-16-67	24.2	65.9	
		8-23-67	28.0	62.0	
		9-14-67	27.1	62.9	
05S/06W-10D01 M	35.0	3-21-67	Flow		5050
06S/05W-8B01 M	108.0	10-26-66	52.8	55.2	5050
		11-17-66	44.9	53.2	
		12-16-66	42.0	44.0	
		1-17-67	57.5	50.5	
		2-14-67	57.0	51.0	
		3-18-67	59.0	49.0	
		4-25-67	55.0	53.0	
		5-16-67	57.0	51.0	
		8-23-67	56.8	51.2	
		9-14-67	50.3	44.7	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE ELEVATION IN FEET	FACE TO WATER SURFACE IN FEET	DATE	GROUND SURFACE ELEVATION IN FEET	FACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN GREGORIO VALLEY 2-24.00									
OTS/05W-13B01 M	80.0	10-26-66	13.7	66.3	5050	08S/05W-10K01 M	37.0	2-14-67	29.6
		11-17-66	13.0	67.0		CONT.		3-18-67	27.6
		12-16-66	10.6	69.4				4-25-67	29.8
		1-17-67	12.3	67.7				5-16-67	25.8
		2-14-67	11.0	69.0				8-23-67	19.6
		3-18-67	9.7	70.3			(1)	9-14-67	19.3
		4-25-67	10.3	69.7					
		5-16-67	11.2	68.8		08S/05W-11P01 M	70.0	10-26-66	52.0
		8-23-67	12.4	67.6				11-17-66	53.9
		9-14-67	12.3	67.7				12-16-66	50.5
OTS/05W-15C01 M	80.0	3-21-67	7.5	72.5	5050			1-17-67	58.9
OTS/05W-15B01 M	75.2	3-21-67	2.2	73.0	5050			2-14-67	60.5
OTS/05W-15B02 M	30.0	10-26-66	13.9	16.1	5050			3-18-67	61.0
		11-17-66	16.5	13.5				4-25-67	63.5
		12-16-66	12.7	17.3				5-16-67	60.3
		1-17-67	15.3	14.7				8-23-67	56.5
		2-14-67	11.7	18.3				9-14-67	56.0
		3-18-67	10.0	20.0		08S/05W-11K02 M	60.0	3-21-67	53.9
		4-25-67	10.8	19.2					
		5-16-67	12.6	17.4		08S/05W-11M01 M	45.0	3-21-67	33.0
		8-23-67	14.5	15.5					
		9-14-67	14.3	15.7					
OTS/05W-15H02 M	40.0	5-16-67	14.9	25.1	5050				
PESCADERO VALLEY 2-26.00									
08S/05W-9H01 M	20.0	10-26-66	5.1	14.9	5050				
		11-17-66	4.6	15.4					
		12-16-66	4.3	15.7					
		1-17-67	4.4	15.6					
		2-14-67	3.7	16.3					
		3-18-67	3.7	16.3					
		4-25-67	3.2	16.8					
		5-16-67	3.6	16.4					
		8-23-67	4.2	15.8					
		9-14-67	4.5	15.5					
08S/05W-10K01 M	37.0	10-26-66	18.6	18.4	5050				
		11-17-66	18.4	18.6					
		12-16-66	16.4	20.6					
		1-17-67	17.4	19.6					

GROUND WATER LEVELS AT WELLS CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO FACE TO SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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CENTRAL COASTAL REGION (No. 3)

SQUEL VALLEY 3-01.00

11S/01W-09101 M	124.2	10-25-66	57.7	66.5	5050
		11-17-66	57.7	66.5	
		12-16-66	57.9	66.3	
		1-17-67	57.4	66.8	
		2-14-67	59.2	65.0	
		3-18-67	59.7	64.5	
		4-25-67	58.5	65.7	
		5-16-67	56.6	67.6	
		8-23-67	55.6	68.6	
		9-14-67	55.4	68.8	
11S/01W-10001 M	90.0	10-25-66	61.8	28.2	5050
		11-17-66	60.8	29.2	
		12-16-66	60.0	30.0	
		1-17-67	61.4	28.6	
		2-14-67	27.9	62.1	
		3-18-67	59.9	30.1	
		4-25-67	29.8	60.2	
		5-16-67	59.4	30.6	
		8-23-67	61.4	28.6	
		9-14-67	62.4	27.6	
11S/01W-15002 M	87.0	10-25-66	60.1	26.4	5050
		11-17-66	57.8	29.2	
		12-16-66	(2)	59.5	
		1-17-67	58.5	28.5	
		2-14-67	56.9	30.1	
		3-18-67	56.6	30.4	
		4-25-67	(2)	68.8	
		5-16-67	(2)	30.5	
		8-23-67	(2)	67.8	
		9-14-67	(2)	77.8	
11S/02E-27A01 M	141.0	10-25-66	99.7	41.3	5050
		11-18-66	98.8	42.2	
		12-15-66	95.1	45.1	
		1-17-67	(1)	98.7	
		2-14-67	97.5	43.5	
		3-18-67	(3)	95.0	
		4-26-67	(3)	94.2	
		5-15-67	(3)	94.0	
		8-22-67	95.5	45.1	
		9-13-67	96.2	44.8	

PAJARO VALLEY 3-02.00

12S/01E-24001 M	9.4	10-25-66	(8)	16.8	5050
		11-18-66	(8)	6.6	
		12-16-66	(8)	4.6	
		1-17-67	(8)	3.9	
		2-15-67	(9)	3.3	
		3-18-67	(8)	5.1	
		4-26-67	(8)	4.3	
		5-15-67	(1)	4.0	
		8-22-67	(8)	15.8	
		9-13-67	(8)	19.3	
12S/02E-11004 M	36.0	10-25-66	(8)	32.7	5050
		11-18-66	(8)	28.5	
		12-15-66	(8)	24.6	
		1-16-67	(8)	24.2	
		2-15-67	(8)	22.5	
		3-17-67	(8)	21.7	
		4-26-67	(8)	19.2	
		5-15-67	(8)	22.9	
		8-22-67	(8)	31.8	
		9-13-67	(8)	31.7	
12S/02E-11001 M	20.5	10-25-66	(8)	21.7	5050
		11-18-66	(8)	18.5	
		12-15-66	(8)	16.2	
		1-17-67	(8)	14.5	
		2-15-67	(8)	12.2	
		3-17-67	(9)	(9)	
		4-26-67	(8)	10.8	
		5-15-67	(8)	15.1	
		8-22-67	(8)	22.4	
		9-13-67	(8)	24.7	
12S/02E-31001 M	30.0	12-13-66	(8)	30.0	2100
13S/01E-01A01 M	5.0	12-12-66	(8)	3.3	2100
13S/02E-05B01 M	13.0	10-25-66	142.1	142.1	5050
		11-18-66	146.7	146.7	
		12-15-66	140.0	140.0	
		1-17-67	(2)	151.6	
		2-15-67	(2)	137.6	
		3-17-67	(2)	136.9	
		4-26-67	(2)	146.3	
		5-15-67	(2)	135.5	
		8-22-67	(2)	138.4	
		9-13-67	(2)	130.6	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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PATAHO VALLEY 3-02.00 (CONT.)

13S/02E-06B01 M	15.0	10-25-66	20.0	-5.0	5050
		11-18-66	17.6	-2.6	
		12-16-66	15.3	-0.3	
		1-17-67	13.0	2.0	
		2-15-67	14.0	1.0	
		3-17-67	12.8	2.2	
		4-26-67	3.5	3.5	
		5-15-67	11.9	3.1	
		8-22-67	16.5	-1.5	
		9-13-67	17.5	-2.5	
13S/02E-06C01 M	26.0	12-12-66	24.8	1.2	2100
13S/02E-06B02 M	27.8	12-12-66	25.3	2.5	2100
13S/02E-06B03 M	30.0	12-12-66	(7)		2100

GILROY-HOLLISTER VALLEY 3-03.00

SOUTH SANTA CLARA COUNTY 3-03.01

09S/03E-16C01 M	395.7	5-5-67	107.5	278.2	2400
09S/03E-21D02 M	361.6	5-8-67	71.4	290.2	2400
09S/03E-22B03 M	379.1	5-8-67	90.2	288.9	2400
09S/03E-23B01 M	362.5	5-8-67	84.6	277.9	2400
09S/03E-26F01 M	329.1	5-8-67	59.3	269.8	2400
09S/03E-27C02 M	347.0	10-7-66	103.4	246.3	2400
		11-7-66	103.8	243.2	
		12-7-66	104.9	242.1	
		1-10-67	106.8	240.2	
		2-4-67	102.8	244.2	
		3-8-67	81.7	265.3	
		4-10-67	75.6	271.4	
		5-8-67	63.2	283.8	
		6-7-67	61.3	285.7	
		7-8-67	(1)		
		8-14-67	65.5	281.5	
		9-12-67	65.2	281.8	
09S/03E-29B01 M	397.6	3-22-67	3.3	394.3	5050

SOUTH SANTA CLARA COUNTY 3-03.01 (CONT.)

09S/03E-34D02 M	327.0	5-8-67	61.2	265.8	2400
09S/03E-34Q01 M	314.2	5-8-67	30.4	283.8	2400
09S/03E-36B02 M	309.3	5-8-67	72.7	236.6	2400
09S/03E-36F03 M	322.0	5-8-67	73.2	248.8	2400
10S/03E-02K03 M	290.0	10-25-66	83.0	206.1	5050
		11-18-66	(3)	207.8	
		12-15-66	78.8	211.2	
		1-16-67	65.2	224.8	
		2-15-67	42.1	247.9	
		3-17-67	38.1	251.9	
		4-27-67	28.7	261.3	
		5-15-67	29.8	260.2	
		8-22-67	(3)	246.8	
		9-13-67	41.2	248.8	
10S/03E-13D03 M	251.0	10-25-66	72.9	178.1	5050
		11-18-66	(8)	183.1	
		12-15-66	(8)	187.0	
		1-16-67	64.0	197.1	
		2-15-67	39.5	211.5	
		3-17-67	33.1	217.9	
		4-27-67	25.1	225.9	
		5-15-67	(1)	216.2	
		8-22-67	(1)	179.5	
		9-13-67	(1)		
10S/03E-36B03 M	220.0	10-25-66	38.2	181.8	5050
		11-18-66	(1)	181.4	
		12-15-66	35.9	184.1	
		1-16-67	34.6	185.4	
		2-15-67	36.5	183.5	
		3-17-67	35.8	184.2	
		4-27-67	31.7	188.3	
		5-15-67	28.6	191.4	
		8-22-67	32.6	187.4	
		9-13-67	33.8	186.2	
10S/04E-18C02 M	259.5	10-25-66	83.2	176.3	5050
		11-18-66	91.4	178.1	
		12-15-66	77.7	191.8	
		1-16-67	69.4	190.1	

GROUND WATER LEVELS AT WELLS CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SOUTH SANTA CLARA COUNTY 3-03.01 (CONT.)

10S/04E-18002 M	259.5	2-15-67 3-17-67 4-27-67 5-15-67 8-22-67 (8) 9-13-67 (8)	57.0 49.6 41.1 38.9 49.4 48.2	202.5 209.9 218.4 220.6 210.1 211.3	5050
10S/04E-31004 M	197.5	10-17-66 11-21-66 12-19-66 1-16-67 2-20-67 3-20-67 4-17-67 5-15-67 6-19-67 7-17-67 8-21-67 9-18-67	44.5 38.5 33.5 28.5 19.5 16.5 18.5 13.5 18.5 25.5 28.5 26.5	153.0 159.0 164.0 168.0 178.0 181.0 179.0 194.0 179.0 172.0 169.0 171.0	5200
10S/04E-35001 M	243.0	3-21-67	73.8	174.2	5050
11S/04E-06001 M	197.2	10-17-66 11-21-66 12-19-66 1-16-67 2-20-67 3-20-67 4-17-67 5-15-67 6-19-67 7-17-67 8-21-67 9-18-67	53.0 46.0 40.0 37.0 27.0 23.0 17.0 17.0 22.0 31.0 33.0 32.0	144.2 151.2 157.2 162.0 170.2 174.2 177.2 180.2 180.2 166.2 164.2 165.2	5200
11S/04E-06001 M	211.0	10-17-66 11-21-66 12-19-66 1-16-67 2-20-67 3-20-67 4-17-67 5-15-67 6-19-67 7-17-67 8-21-67 9-18-67	68.0 63.0 57.0 54.0 43.0 38.0 36.0 33.0 31.0 46.0 46.0	143.0 148.0 154.0 157.0 168.0 173.0 175.0 178.0 174.0 163.0 163.0	5200

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SOUTH SANTA CLARA COUNTY 3-03.01 (CONT.)

11S/04E-06001 M	191.5	10-17-66 11-21-66 12-19-66 1-16-67 2-20-67 3-20-67 4-17-67 5-15-67 6-19-67 7-17-67 8-21-67 9-13-67	51.0 44.0 39.0 35.0 25.0 21.0 18.0 15.0 20.0 23.0 31.0 30.0	140.5 147.5 152.5 156.5 166.5 170.5 173.5 176.5 171.5 163.5 160.5 161.5	5200
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11S/04E-06002 M	201.7	10-17-66 11-21-66 12-19-66 1-16-67 2-20-67 3-20-67 4-17-67 5-15-67 6-19-67 7-17-67 8-21-67 9-13-67	56.0 53.0 49.0 46.0 32.0 29.0 26.0 25.0 32.0 37.0 38.0 35.0	145.7 148.7 152.7 155.7 169.7 172.7 175.7 176.7 169.7 164.7 163.7 166.7	5200
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11S/04E-08002 M	179.0	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67 3-17-67 4-27-67 5-15-67 8-22-67 9-13-67	37.0 34.2 29.4 25.5 18.1 15.8 10.0 10.5 24.5 24.2	142.0 144.8 149.6 153.5 160.6 163.2 168.0 168.5 154.5 154.4	5050
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SAN BENITO COUNTY 3-03.02

11S/05E-13001 M	255.7	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67	20.2 30.1 226.2 231.3 233.3	228.5 225.1 226.2 231.3 233.3	5050
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TABLE C-2
GROUND WATER LEVELS AT WELLS
CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN BENITO COUNTY 3-03-02 (CONT.)					
11S/05E-13001 M (CONT.)	255.7	3-17-67 4-26-67 5-15-67 8-22-67 9-13-67	21.1 19.4 20.4 21.8 22.8	234.6 236.3 235.3 233.9 232.9	5050
12S/04E-20001 M	152.9	3-1-67	29.5	123.4	5000
12S/05E-10R01 M	211.6	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67 3-17-67 4-26-67 5-15-67 8-22-67 9-13-67	92.5 89.1 88.3 86.7 85.5 83.8 82.0 80.9 80.1 86.2	119.1 122.5 123.3 124.9 126.1 127.8 129.6 130.7 131.5 125.4	5050
12S/05E-12004 M	215.0	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67 3-17-67 4-26-67 5-15-67 8-22-67 9-13-67	90.6 91.5 91.4 89.3 88.3 86.8 83.6 80.4 78.3 78.3	124.4 123.5 123.6 125.7 126.7 128.2 131.4 134.6 136.7 136.2	5050
12S/05E-33401 M	280.0	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67 3-17-67 4-26-67 5-15-67 8-22-67 9-13-67	(8) (8) (8) (8) (4) (8) (8) (8) (1) (1)	189.4 192.0 192.4 192.4 193.0 192.0 194.9 186.1 198.1 188.3	5050
12S/05E-35002 M	303.0	10-25-66 11-18-66 12-15-66 1-16-67 2-15-67	157.8 149.9 153.1 143.5 139.4	145.2 153.1 159.5 163.6 166.5	5050
SAN BENITO COUNTY 3-03-02 (CONT.)					
12S/05E-35002 M (CONT.)	303.0	3-17-67 4-26-67 5-15-67 8-22-67 9-13-67	137.9 139.3 136.5 136.4 143.0	165.1 163.7 166.5 166.6 160.0	5050
13S/05E-11001 M	325.5	3-1-67	71.6	253.9	5000
SALINAS VALLEY 3-04-00					
PRESSURE AREA 180 FOOT AQUIFER 3-04-01					
14S/02E-03001 M	10.6	12-15-66	15.5	-4.9	2100
14S/02E-15001 M	23.0	12-19-66	(6)		2100
15S/02E-01001 M	42.0	10-18-66 11-16-66 12-14-66 1-18-67 2-15-67 3-20-67 4-17-67 5-16-67 6-18-67 7-16-67 8-13-67 9-13-67	(1) 42.7 35.1 33.7 31.2 29.7 29.7 (1) (1) (1) 56.1 56.4	-0.7 6.9 8.3 10.8 12.3 12.3 (1) (1) (1) -14.1 -14.4	2100
15S/03E-16001 M	58.0	12-22-66	37.4	20.6	2100
15S/04E-33401 M	125.0	12-20-66	96.3	38.7	2100
16S/04E-11001 M	110.0	12-19-66	52.1	57.9	2100
PRESSURE AREA 400 FOOT AQUIFER 3-04-01					
13S/02E-31001 M	11.0	12-13-66	11.4	-0.4	2100
14S/03E-13001 M	69.0	10-17-66 11-18-66 12-15-66 1-18-67 2-15-67 3-20-67	91.8 80.0 70.4 72.5 (1) 70.7	-22.8 -11.0 -1.4 -3.5 (1) -1.7	2100

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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PRESSURE AREA 400 FOOT AQUIFER 3-04-01 (CONT.)

14S/03E-18701 M	69.0	4-17-67	65.0	4.0	2100
CONT.		5-16-67	(7)		
		6-18-67	83.1	-14.1	
		7-16-67	94.4	-25.4	
		8-13-67	97.3	-28.3	
		9-15-67	(1)		

EAST SIDE AREA 3-04-02

16S/05E-17701 M	181.0	12-13-66	109.9	71.1	2100
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ARROYO SECO CONE 3-04-04

18S/06E-19701 M	277.0	12-15-66	92.6	184.4	2100
19S/06E-11001 M	373.0	10-21-66	189.6	183.4	2100
		11-14-66	194.0	179.0	
		12-15-66	169.2	203.8	
		1-17-67	(1)		
		2-17-67	159.0	214.0	
		3-22-67	(1)		
		4-18-67	(9)		
		5-17-67	(1)	209.9	
		6-18-67	163.2		
		7-16-67	(1)		
		8-13-67	(1)		
		9-18-67	(1)		

UPPER VALLEY AREA 3-04-05

10S/07E-10701 M	315.0	10-21-66	83.8	231.2	2100
		11-14-66	83.7	231.3	
		12-15-66	81.2	233.8	
		1-16-67	82.5	232.5	
		2-17-67	72.9	242.1	
		3-23-67	(1)		
		4-18-67	89.0	226.0	
		5-17-67	(1)		
		6-18-67	86.1	228.9	
		7-16-67	101.0	214.0	
		8-13-67	(1)		
		9-18-67	(1)		

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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UPPER VALLEY AREA 3-04-05 (CONT.)

20S/08E-05701 M	337.0	10-24-66	69.0	268.0	2100
		11-14-66	68.4	268.6	
		12-15-66	63.1	273.9	
		1-16-67	(1)		
		2-17-67	(1)		
		3-23-67	(1)		
		4-19-67	66.0	271.0	
		5-18-67	(1)		
		6-18-67	(1)		
		7-16-67	(1)		
		8-13-67	(1)		
		9-18-67	68.3	268.7	
21S/09E-06701 M	344.0	12-19-66	(6)		2100
21S/10E-32701 M	400.0	12-19-66	24.2	375.8	2100
22S/10E-16701 M	472.0	12-19-66	72.6	400.0	2100
PASO ROBLES BASIN 3-04-06					
24S/10E-11001 M	620.0	10-5-66	(5)		5117
		4-00-67	(0)		
24S/11E-25701 M	603.3	4-28-67	36.8	564.5	5117
		8-31-67	41.8	561.5	
24S/11E-33701 M	565.0	4-28-67	32.0	533.0	5117
		9-29-67	32.0	533.0	
24S/11E-35701 M	616.8	10-5-66	62.3	554.5	5117
		5-4-67	61.7	555.1	
24S/12E-17701 M	770.0	10-00-66	(0)		5117
24S/15E-33001 M	1225.0	10-6-66	42.2	1182.8	5117
		5-9-67	36.0	1196.0	
25S/11E-35001 M	895.0	10-6-66	61.3	833.7	5117
		5-4-67	60.5	834.5	
25S/12E-17701 M	640.0	10-5-66	67.3	572.7	5117
		5-4-67	44.0	597.0	
25S/12E-17701 M	640.0	10-5-66	65.5	574.5	5117
		5-4-67	64.5	575.5	

TABLE C-2
GROUND WATER LEVELS AT WELLS
CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PASO ROBLES BASIN 3-04.06 (CONT.)					
25S/12E-26X01 M	749.0	10-6-66 5-5-67	(1) 126.0 103.5	623.0 645.5	5117
25S/13E-11E01 M	1185.0	10-6-66	49.0	1136.0	5117
25S/16E-17E01 M	1165.0	10-6-66 5-9-67	(1) 51.5 31.5	1113.5 1133.5	5117
25S/16E-30X01 M	1218.0	10-6-66 5-9-67	68.5 68.0	1149.5 1150.0	5117
26S/12E-04X01 M	675.0	10-6-66 5-4-67	49.8 44.0	625.2 631.0	5117
26S/12E-26E01 M	840.0	10-4-66 5-2-67	212.5 191.0	627.5 649.0	5117
26S/12E-35X01 M	818.0	10-4-66 5-2-67	158.8 158.8	659.2 659.2	5117
26S/13E-10X01 M	840.0	10-6-66 5-5-67	36.5 13.1	763.5 786.9	5117
26S/13E-34X01 M	1005.0	10-7-66 5-5-67	160.3 155.6	844.7 849.4	5117
26S/14E-16E01 M	1018.0	10-6-66 5-9-67	(9) (9)	(9) (9)	5117
26S/14E-35X01 M	1135.0	10-10-66 5-9-67	125.0 116.8	1010.0 1018.2	5117
26S/15E-02E01 M	1115.0	10-6-66 5-9-67	30.2 31.8	1084.8 1083.2	5117
26S/15E-28X02 M	1112.0	10-10-66 5-10-67	62.5 58.7	1049.5 1053.5	5117
26S/15E-29X01 M	1133.0	10-10-66 5-10-67	(1) 147.0 69.9	986.0 1063.1	5117
27S/12E-21X01 M	748.0	10-3-66 5-2-67	(2) 20.0 5.5	728.0 742.5	5117
27S/13E-24X01 M	1030.0	10-7-66 5-10-67	65.6 7.3	964.4 1022.7	5117
PASO ROBLES BASIN 3-04.06 (CONT.)					
27S/13E-32E01 M	1105.0	10-7-66	56.9	1048.1	5117
27S/15E-10E02 M	1130.0	10-10-66 5-10-67	65.4 (9)	1064.6	5117
27S/15E-13X01 M	1155.0	10-11-66 5-9-67	23.2 (9)	1131.8	5117
27S/16E-21E02 M	1255.0	10-11-66 5-10-67	59.4 60.7	1195.6 1194.3	5117
28S/12E-10X01 M	825.0	10-3-66 5-2-67	(1) 0.0	825.0	5117
28S/12E-10E02 M	805.0	10-4-66 4-8-67	30.0 7.2	775.0 797.8	5117
28S/12E-13X01 M	850.0	10-00-66	(0)	(0)	5117
28S/12E-14X01 M	824.6	10-3-66 5-2-67	4.0 4.7	820.6 829.3	5117
28S/13E-04X01 M	1199.5	10-7-66 5-9-67	61.6 42.9	1137.9 1156.6	5117
28S/13E-04X02 M	1195.0	10-7-66 5-9-67	79.1 75.9	1115.9 1119.1	5117
28S/14E-07E01 M	1150.0	10-00-66	(0)	(0)	5117
28S/16E-23X01 M	1440.0	10-11-66	52.9	1387.1	5117
29S/13E-05X03 M	916.1	10-3-66 5-2-67	19.7 (9)	896.4	5117
29S/13E-05X02 M	928.0	10-4-66 5-2-67	16.8 5.8	911.2 922.2	5117
29S/13E-06X01 M	920.0	10-3-66 5-2-67	77.0 43.0	843.0 877.0	5117
29S/13E-19X01 M	1002.0	10-3-66 5-2-67	15.4 2.4	986.6 999.6	5117

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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SEASIDE AREA 3-04.08

14S/02E-31M01 M	119.9	10-20-66	133.9	-14.0	5005
		11-00-66	(7)		
		12-22-66	123.9	-4.0	
		1-20-67	123.4	-3.5	
		2-00-67	(7)		
		3-17-67	127.5	-7.6	
		4-20-67	122.0	-2.1	
		5-00-67	(7)		
		6-14-67	128.8	-8.9	
		7-5-67	129.5	-9.6	
		8-11-67	128.5	-8.6	
		9-15-67	132.9	-13.0	
15S/01E-14M01 M	144.6	10-20-66	114.1	30.5	5005
		11-00-66	(7)		
		12-22-66	107.3	37.3	
		1-20-67	108.0	36.6	
		2-00-67	(7)		
		3-17-67	107.0	37.6	
		4-20-67	107.0	37.6	
		5-00-67	(7)		
		6-14-67	112.7	31.9	
		7-5-67	117.4	27.2	
		8-11-67	117.9	26.7	
		9-15-67	119.4	25.2	

CARMEL VALLEY 3-07.00

16S/01E-16L01 M	75.0	1-9-67	19.0	56.0	2100
16S/01E-22E01 M	82.0	1-9-67	20.0	62.0	2100
16S/01E-23F01 M	109.0	1-10-67	29.6	79.4	2100
16S/01E-25E01 M	140.0	1-10-67	34.0	106.0	2100

WEST SANTA CRUZ TERRACE 3-26.00

11S/02W-21E01 M	65.0	12-12-66	(8)	58.3	5102
		5-22-67	(1)		
11S/02W-22E01 M	30.0	12-12-66	(8)	47.8	5102
		5-22-67		-25.5	

TABLE C-3
CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED
REPORTS OF GROUND WATER DATA
CENTRAL COASTAL AREA

Location of Error or Revision				Change or Revision	
Report	Pages	State Well Number	Item	From	To
<u>1958</u>					
Bull. No. 77-58	A-17 & B-34	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	B-10	15N/12W-8L1	Reference Point Elevation	666.0	641.0
<u>1959</u>					
Bull. No. 77-59	A-14 & B-16	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	A-15 & B-18	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	B-8	15N/12W-8L1	Reference Point Elevation	666.0	641.0
<u>1960</u>					
Bull. No. 77-60	A-17 & B-22	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	A-18 & B-24	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	B-10	15N/12W-8L1	Reference Point Elevation	666.0	641.0
<u>1961</u>					
Bull. No. 77-61	A-10 & B-21	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	A-11 & B-23	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	B-9 & B-10	15N/12W-8L1	Reference Point Elevation	665.0	641.0
<u>1962</u>					
Bull. No. 77-62	44 & 89	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	45 & 91	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	77	15N/12W-8L1	Ground Surface Elevation	665.0	640.0
<u>1963</u>					
Bull. No. 130-63	C-12 & C-26	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	C-13 & C-28	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	C-16	15N/12W-8L1	Ground Surface Elevation	665.0	640.0
<u>1964</u>					
Bull. No. 130-64	66 & 80	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	67 & 81	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	70	15N/12W-8L1	Ground Surface Elevation	665.0	640.0
<u>1965</u>					
Bull. No. 130-65	82 & 102	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	83 & 106	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	87	15N/12W-8L1	Ground Surface Elevation	665.0	640.0
<u>1966</u>					
Bull. No. 130-66	73	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	76	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	61	15N/12W-8L1	Ground Surface Elevation	665.0	640.0
	76	5S/5W-10J1	State Well Number	5S/5W-10J1	5S/6W-10J1

Appendix D

SURFACE WATER QUALITY

INTRODUCTION

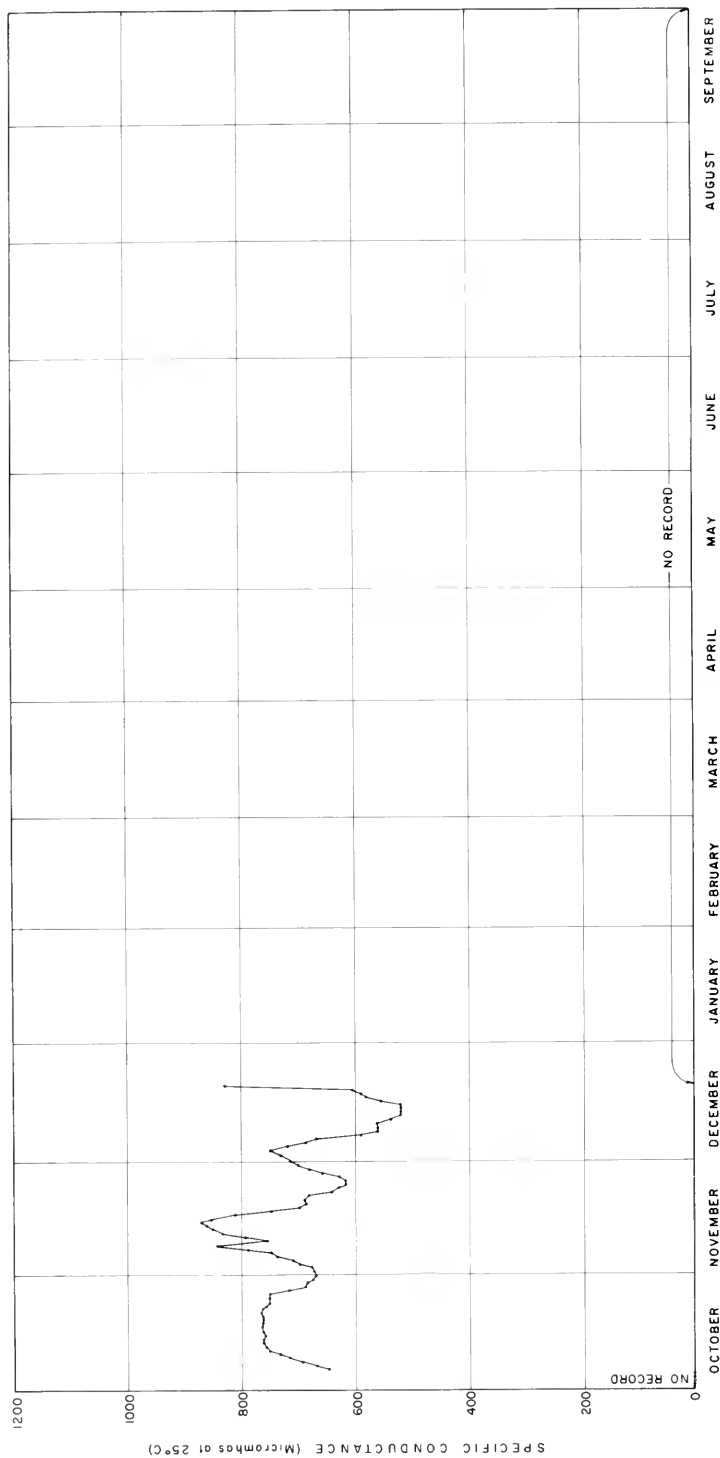
This appendix presents surface water quality data collected during the period from October 1, 1966, through September 30, 1967. The data were collected from 37 stream and estuarine stations in the Central Coastal Area in cooperation with other state, local, and federal agencies.

At the time of sample collection, dissolved oxygen, pH, temperature, and Secchi disk (if possible) measurements were made and gage height and time noted. Comments on local conditions were noted in field books which are available in the files of the Department of Water Resources.

The mineral constituents were determined in accordance with methods presented in the U. S. Geological Survey Water Supply Paper 1454, "Methods for Collection and Analyses of Water Samples".

Each station in this appendix has a station number which has been derived by adding a decimal and two digits to a related surface water measurement station number. The numbering system for surface water measurement stations is described in the departmental publication entitled "Index of Stream Gaging Stations in and Adjacent to California, 1966". For reference to previous reports, sequential station numbers, used in the past, follow each station name.

FIGURE 0-1



SPECIFIC CONDUCTANCE

DAILY MEAN

ALAMEDA CREEK NEAR NILES (STA. E51150.00)

1966 - 67 WATER YEAR

TABLE D-1
SAMPLING STATION DATA AND INDEX
CENTRAL COASTAL AREA

Station	Station Number	Location M D B B M	Beginning Of Record	Frequency Of Sampling	Analyses On Page
ALAMEDA CREEK NEAR NILES (73)	E51150.00	4S/1W-15	Dec. 1951	Monthly	101, 106, 117, 123
ARROYO DEL VALLE NEAR LIVERMORE (71)	E51400.00	4S/2E-4	July 1958	Bimonthly	102, 106
BIG RIVER NEAR MOUTH (8c)	F82720.00	17N/17W-24	Jan. 1959	Bimonthly	103, 107
CARMEL RIVER AT ROBLES DEL RIO (83)	D41200.00	17S/2E-2	Jan. 1952	Bimonthly	96, 106
COLLINSVILLE (236)	E31110.00	3N/1E-27	1924	Four-day	109
COYOTE CREEK NEAR MADRONE (82)	E64250.00	9S/3E-9	Jan. 1952	Bimonthly	102, 106
CROCKETT (237)	E03100.90	3N/3W-32	1946	Four-day	109
GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (9a)	F81100.00	10N/14W-22	Jan. 1959	Bimonthly	102, 107
LOS GATOS CREEK AT LOS GATOS (74)	E65250.00	8N/1W-29	Dec. 1951	Bimonthly	102, 106
MARTINEZ (239)	E03300.10	2N/2W-7	1926	Four-day	109
MIDDLE POINT (255)	E03200.00	2N/1W-4	Jan. 1964	Four-day	109
MONTEREY BAY AT SANTA CRUZ (120)	D08C61.52	11S/1W-19	July 1965	Bimonthly	93, 113, 120
NACIMIENTO RIVER NEAR SAN MIGUEL (43b)	D33520.00	25S/11E-4	July 1958	Bimonthly	96, 106
NAPA RIVER AT DUTTON LANDING (72a)	E31100.50	4N/4W-9	Sept. 1965	Bimonthly	100, 106, 117, 123
NAPA RIVER NEAR ST. HELENA	E31500.00	8N/5W-33	Dec. 1951	Bimonthly	100, 106
NOYO RIVER NEAR FORT BRAGG (10c)	F83080.50	18N/17W-10	Jan. 1959	Bimonthly	103, 107
PAJARO RIVER AT CHITTENDEN (77)	D11250.00	12S/3E-12	Dec. 1951	Bimonthly	93, 106, 113, 120
PITTSBURG (240)	B91070.10	2N/1E-5	1945	Four-day	109
PORT CHICAGO (241)	E03200.90	3N/2W-36	1946	Four-day	109
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	8N/10W-32	Apr. 1951	Bimonthly	103, 107, 117, 123
RUSSIAN RIVER NEAR HEALDSBURG (9)	F91500.00	9N/9W-22	Apr. 1951	Bimonthly	104, 107
RUSSIAN RIVER NEAR HOPLAND (8a)	F91765.00	14N/12W-36	Apr. 1951	Bimonthly	104, 107
RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE (10a)	F94900.00	17N/11W-6	May 1951	Bimonthly	104, 106
SALINAS RIVER NEAR BRADLEY (43c)	D21850.00	23S/10E-15	July 1958	Bimonthly	95, 106
SALINAS RIVER AT PASO ROBLES (43a)	D31450.00	26S/12E-28	Apr. 1951	Bimonthly	95, 106
SALINAS RIVER NEAR SPRECKLES (43)	D21220.00	15S/3E-18	Apr. 1951	Bimonthly	94, 106, 113, 120
SAN ANTONIO RIVER NEAR PLEYTO (43d)	D32200.00	24S/9E-3	July 1958	Bimonthly	95, 106
SAN BENITO RIVER NEAR BEAR VALLEY FIRE STATION (77a)	D12450.00	15S/7E-28	July 1958	Bimonthly	94, 106
SAN FRANCISCO BAY AT FORT POINT	E0CJ47.72	1S/6W-25	Oct. 1964	Monthly	98, 115, 121
SAN FRANCISCO BAY AT TREASURE ISLAND	E0GH59.55	1S/5W-26	July 1965	Monthly	97, 114, 121
SAN FRANCISCO BAY AT COYOTE POINT	E0EH75.27	4S/4W-17	Dec. 1966	Monthly	121
SAN FRANCISCO BAY AT SAN MATEO BRIDGE	E0EC85.33	4S/3W-9	Oct. 1964	Monthly	96, 114, 120
SAN JOAQUIN RIVER BY ANTIOCH	B95010.01	2N/1E-1	Oct. 1966	Monthly	112, 119
SAN LORENZO RIVER AT BIG TREES (75)	D01200.00	10S/2W-27	Dec. 1951	Bimonthly	93, 106, 113, 120
SAN PABLO BAY AT POINT SAN PABLO	E0HJ74.01	1N/5W-5	Jan. 1964	Monthly	98, 115, 122
SOQUEL CREEK AT SOQUEL (76)	D03100.00	11S/1W-10	Dec. 1951	Bimonthly	93, 106
SUISUN BAY AT BENICIA	E0JG30.19	2N/3W-12	Jan. 1966	Monthly	99, 116, 122
UVAS CREEK NEAR MORGAN HILL (96)	D11371.50	10S/3E-17	July 1952	Bimonthly	94, 106

Mineral Analyses of Surface Water

Some of the column headings in the following table include:

- Lab - The laboratory which analyzed the sample.
- 5000 indicates the U. S. Geological Survey laboratory.
- 5050 indicates the Department of Water Resources laboratory at Bryte.
- G.H. - The instantaneous gage height in feet above an established datum.
- Q - The instantaneous discharge measured in cubic feet per second (cfs).
- DO - The dissolved oxygen content in milligrams per liter is listed first and is followed by the percent saturation.
- EC - The specific electrical conductance in micromhos at 25° Centigrade.
- TDS - Gravimetric determination of total dissolved solids in milligrams per liter.
- SUM - Determined by adding amounts of analyzed constituents.
- TH - Total hardness represents the sum of concentrations of calcium and magnesium ions expressed as milligrams per liter of calcium carbonate.
- NCH - Noncarbonate hardness represents any excess of total hardness over the total alkalinity.

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER LAB	DATE TIME	G.H. Q	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM	TDS	TH	NCH		
D01200.00 SAN LORENZO RIVER AT BIG TREES (75)																								
D01200.00 11/15/66 1100	1.46 36	10.8 108	59.0F	8.1 7.9	346	36 1.90	7.0 0.58	22 23	2.3 0.06	0 0.00	116 1.90	--	23 0.65	--	--	0.1	--	--	--	119 24	--			
D01200.00 1/18/67 1120	1.32 36	10.9 92	46.0F	8.4 8.0	387	43 2.15	9.2 0.76	23 25	1.6 0.04	3 2.13	130 2.13	--	22 0.62	--	--	0.0	--	--	--	146 34	--			
D01200.00 5/3/67 0900	2.36 288	10.6 95	50.0F	8.2 7.7	315	37 1.85	7.9 0.65	16 22	1.5 0.04	0 1.82	111 1.06	51 1.06	13 0.37	0.5 0.01	--	0.0	22	216 204	125 204	125 34	--			
D01200.00 7/18/67 0900	1.42 39	9.7 98	60.0F	8.3 7.7	368	--	--	19 0.83	--	0 2.11	129 2.11	--	18 0.51	--	--	0.0	--	--	--	139 33	--			
D01200.00 9/6/67 1015	2.99 28	9.7 101	61.0F	8.0 7.8	361	--	--	20 0.87	--	0 2.16	132 2.16	--	20 0.56	--	--	0.0	--	--	--	128 20	--			
D03100.00 SQUEL CREEK AT SQUEL (76)																								
D03100.00 12/17/66 1400	3.10 25	10.6 102	57.0F	8.5 8.3	653	63 3.14	19 1.56	45 29	3.3 0.08	9 2.59	158 2.59	--	49 1.38	--	--	0.2	--	--	--	235 91	--			
D03100.00 1/17/67 1630	2.06 11	13.5 119	50.0F	8.5 8.2	803	82 4.09	24 1.97	55 28	4.0 0.10	10 3.61	220 3.61	--	60 1.69	--	--	0.0	--	--	--	303 106	--			
D03100.00 5/2/67 1645	4.31 90	9.8 98	60.0F	8.2 8.1	514	59 2.94	16 1.32	25 20	2.4 0.06	0 2.67	163 2.27	109 2.27	16 0.45	0.5 0.01	--	0.0	21	360 320	213 79	213 79	--			
D0961.52 MONTREY BAY AT SANTA CRUZ (120)																								
D0961.52 1/18/67 0830	10.6 114	10.6 114	48.0F	8.1 8.2	50300	--	--	9500 41.25	--	0 2.28	139 2.28	--	19300 944.45	--	--	3.4	--	--	--	6445 6530	--			
D11251.00 PAJARO RIVER AT CHITTENDEN (77)																								
D11251.00 11/30/66 1010	2.69 1.8	9.2 91	58.0F	8.5 7.8	1330	52 2.59	70 5.76	141 42	4.4 0.11	31 1.63	388 6.36	--	133 3.75	--	--	0.6	--	--	--	418 47	--			
D11251.00 1/12/67 0810	2.68 1.6	10.0 88	49.0F	8.3 7.9	1490	102 5.09	82 6.75	112 29	3.6 0.09	8 2.27	388 6.52	--	118 3.33	--	--	0.7	--	--	--	592 253	--			
D11251.00 3/9/67 1015	3.08 78	9.9 94	50.0F	8.4 7.8	994	75 3.74	56 4.61	65 25	1.6 0.04	8 2.27	288 4.72	--	64 1.81	--	--	0.3	--	--	--	418 160	--			

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER LAB DATE TIME SAMPLER		G.H. Q	DO	TEMP	LAB -PH FLO -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER AT CHITTENDEN (77) (CONT.)										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS	TH				
D11250.00 PAZARO RIVER AT CHITTENDEN (77) (CONT.)																								
D11250.00 5/18/67 1020	3.23 150	7.8 82	64.0F	7.8 8.0		743	57 2.84	38 3.13	45 1.96	2.0 0.05	0 0.00	272 4.46	101 2.10	44 1.24	13 0.21	--	0.2	16	468 450	298 75				
D11250.00 7/18/67 0715	19	7.1 75	65.0F	8.5 8.1		1410	--	--	104 4.52	--	13 0.43	436 7.15	--	106 2.99	--	0.6	--	--	--	547 168				
D11250.00 9/6/67 0730	1.05 50	6.8 73	66.0F	8.3 8.2		1390	--	--	114 4.96	--	0 0.00	486 7.96	--	120 3.38	--	0.6	--	--	--	511 113				
D11371.50 UVAS CREEK NEAR MORGAN HILL (96)																								
D11371.50 11/18/66 0910		13.5 127	54.0F	8.5 7.8		408	37 1.85	23 1.89	14 0.61	1.2 0.03	9 0.30	189 3.10	--	8.6 0.24	--	0.1	--	--	--	187 17				
D11371.50 1/17/67 1450		10.0 89	50.0F	8.5 7.9		325	34 1.70	16 1.32	10 0.44	1.0 0.03	6 0.20	155 2.54	--	6.8 0.19	--	0.1	--	--	--	151 14				
D11371.50 5/2/67 1520		9.6 99	62.0F	8.1 8.0		296	26 1.30	13 1.07	8.0 0.35	0.9 0.02	0 0.00	135 2.21	19 0.40	5.1 0.14	0.6 0.01	0.0	17	166 157	118 7					
D12450.00 SAN BENITO RIVER NEAR VALLEY FIRE STATION (77a)																								
D12450.00 11/25/66 1330	4.56 0.5	13.1 136	60.0F	8.7 8.6		2120	46 2.30	121 9.95	276 12.01	4.4 0.11	41 1.37	540 8.85	--	184 5.19	--	2.0	--	--	--	612 100				
D12450.00 1/10/67 1300	4.58 2.9	11.2 118	62.0F	8.6 8.0		1610	38 1.50	117 9.62	168 7.31	3.2 0.08	110 3.67	422 6.92	--	106 2.99	--	1.4	--	--	--	576 46				
D12450.00 5/16/67 1020	4.45 40	9.4 101	64.0F	8.6 8.8		876	31 1.55	79 6.50	56 2.44	2.2 0.06	20 0.67	403 6.61	103 2.14	28 0.79	0.5 0.01	0.6	8.0	584 526	402 39					
D12220.00 SALINAS RIVER NEAR SPRECKELS (43)																								
D12220.00 11/30/66 0810	7.12 1.5	2.9 29	60.0F	7.9 7.4		1140	53 2.64	32 2.63	138 6.00	12 0.31	0 0.00	200 3.28	--	130 3.67	--	0.4	--	--	--	264 100				
D12220.00 1/12/67 0658	9.06 160	4.5 39	48.0F	8.5 7.5		917	81 4.04	34 2.80	69 3.00	4.4 0.11	14 0.47	230 3.77	--	60 1.69	--	0.2	--	--	--	342 130				
D12220.00 3/9/67 0830	9.64 305	5.0 42	47.0F	8.5 7.2		838	77 3.84	32 2.63	60 2.61	3.1 0.08	8 0.27	228 3.74	--	48 1.35	--	0.2	--	--	--	324 124				

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	G.H.	DO	TEMP	LAB -PH LAB -PH	EC FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER					MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM	TH	NCH				
D21220.00 5/18/67 0730	9.86 455	8.5 92	67.0F	8.3 8.3	740	D21220.00 SALINAS RIVER NEAR SPECKLETS (43) (CONT.)										2.9 0.05	--	0.2	23	496 483	292 100			
D21220.00 7/18/67 0515	6.74 82	7.8 82	65.0F	8.3 8.0	739	71 3.54	28 2.50	49 2.13	2.9 0.07	2 0.07	230 3.77	141 2.94	50 1.41	2.9 0.05	--	0.2	--	--	496 483	292 100				
D21220.00 9/6/67 0530	8.10 285	8.5 93	68.0F	7.8 8.0	356	--	--	15 0.65	--	0 0.00	137 2.24	--	11 0.31	--	--	0.0	--	--	496 483	292 100				
D21850.00 11/26/66 1030	4.45 150	10.8 101	53.0F	8.1	Sample Lost	D21850.00 SALINAS RIVER NEAR BRADLEY (43c)										--	--	0.2	--	--	334 99	269 63		
D21850.00 1/11/67 1000	3.62 66	10.7 96	50.0F	8.6 8.2	898	81 4.04	32 2.63	66 2.87	2.8 0.07	18 0.60	252 4.13	--	52 1.47	--	--	0.2	--	--	334 99	269 63				
D21850.00 5/17/67 1015	4.70 320	7.7 92	75.0F	8.3 8.2	648	65 3.24	26 2.14	39 1.70	2.2 0.06	4 0.13	237 3.88	99 2.06	33 0.93	1.3 0.02	--	0.1	20	418 407	269 63					
D31450.00 11/26/66 0800	9.0					D31450.00 SALINAS RIVER AT PASO ROBLES (43a)										--	--	0.1	--	--	396 113	320 93		
D31450.00 1/10/67 1605		10.8		8.5 8.1	822	90 4.49	32 2.63	46 2.80	2.4 0.06	12 0.40	272 4.46	--	49 1.13	--	--	0.1	--	--	396 113	320 93				
D31450.00 5/16/67 1455		6.9 91	85.0F	8.3 8.2	666	79 3.94	30 2.47	30 1.70	1.8 0.05	4 0.13	263 4.31	110 2.29	40 1.13	2.1 0.03	--	0.0	20	448 446	320 93					
D32200.00 11/25/66 1545	0.5 ent.	11.2 120	66.0F	8.6 8.6	446	49 2.45	16 1.32	23 2.1	1.6 0.04	8 0.27	170 2.79	--	14 0.39	--	--	0.0	--	--	188 35	188 43				
D32200.00 1/11/67 0905	50 ent.	10.9 101	52.0F	8.4 8.4	418	51 2.54	15 1.23	16 1.4	1.4 0.04	3 0.10	165 2.70	--	9.0 0.25	--	--	0.0	--	--	188 43	188 43				

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER LAB DATE TIME SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS	TH	
						D33520.00 RICHMOND RIVER NEAR SAN MIGUEL (436)														
D33520.00 11/26/66 0930	5000	130 est.	9.6 90	53.0F	8.4 7.9	339	34 1.70	17 1.40	12 0.52	1.5 0.04	4 0.13	144 2.36	--	8.0 0.23	--	0.0	--	--	155 30	
D33520.00 1/11/67 0740	5000		9.2 83	50.0F	8.4 7.6	370	40 2.00	18 1.48	13 0.57	1.3 0.03	4 0.13	160 2.62	--	9.0 0.25	--	0.0	--	--	174 36	
D33520.00 5/17/67 0950	5000		7.5 83	67.0F	7.8 7.8	270	29 1.45	12 0.99	8.8 0.38	1.3 0.03	0 0.00	120 1.97	32 0.67	7.0 0.20	0.4 0.01	--	0.0	9.1	162 159	122 24
D41200.00 CARMEL RIVER AT ROULES DEL RIO (84)																				
D41200.00 11/30/66 0700		0.0																		
D41200.00 1/11/67 1200	5000	2.45 21	13.2 115	49.0F	8.2 7.8	270	26 1.30	9.2 0.76	15 0.65	2.0 0.05	0 0.00	106 1.74	--	12 0.34	--	0.0	--	--	103 16	
D41200.00 5/17/67 1335	5000	3.69 165	8.9 96	67.0F	8.0 8.1	238	23 1.15	8.2 0.67	12 0.52	2.0 0.05	0 0.00	100 1.64	24 0.50	10 0.28	0.4 0.01	--	0.0	22	163 151	91 9
E0285.33 SAN FRANCISCO BAY AT SAN MATEO BRIDGE																				
E0285.33 10/19/66 1040	5050		6.9 84	60.0F	-- 8.0	50100	--	--	--	--	--	--	--	18800	--	--	--	34100	--	
E0285.33 11/17/66 1030	5050		7.4 89	59.0F	-- 8.2	49100	--	--	--	--	--	--	--	18100	--	--	--	--	--	
E0285.33 12/16/66 1030	5050		7.6 78	50.0F	-- 8.1	40800	--	--	--	--	--	--	--	14100	--	--	--	27300	--	
E0285.33 1/27/67 1005	5050		9.2 94	50.0F	-- 8.2	38200	--	--	--	--	--	--	--	13400	--	--	--	24300	--	
E0285.33 2/24/67 1015	5050		13.0 124	47.0F	-- 8.0	30000	--	--	--	--	--	--	--	10900	--	--	--	20000	--	
E0285.33 3/29/67 1230	5050		10.2 100	48.0F	-- 7.2	34600	--	--	--	--	--	--	--	119000	--	--	--	22400	--	
E0285.33 4/27/67 1235	5050		9.7 103	56.0F	-- 8.2	30000	--	--	--	--	--	--	--	10900	--	--	--	20100	--	

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER							MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM	TDS	TH	NCH
BOB95.33 SAN FRANCISCO BAY AT SAN MATEO BRIDGE (CONT.)																						
BOB95.33 5/26/67 0600	9050		7.7 88	62.07	-- 8.2	29700	--	--	--	--	--	--	--	10700	--	--	--	--	20300	--		
BOB95.33 6/22/67 1110	9050		8.4 100	65.07	--	39400	--	--	--	--	--	--	--	12200	--	--	--	--	22900	--		
BOB95.33 8/22/67 0815	9050		7.2 90	68.07	-- 8.2	41100	--	--	--	--	--	--	--	13500	--	--	--	--	26900	--		
BOB95.55 SAN FRANCISCO BAY AT TREASURE ISLAND																						
BOB95.55 10/19/66 0745	9050		7.4 89	58.07	-- 7.2	49300	--	--	--	--	--	--	--	18800	--	--	--	--	34000	--		
BOB95.55 11/17/66 0710	9050		9.3 110	58.07	-- 7.2	47200	--	--	--	--	--	--	--	17900	--	--	--	--	--	--		
BOB95.55 12/13/66 0750	9050		8.5 89	53.07	-- 8.4	33400	--	--	--	--	--	--	--	11900	--	--	--	--	22900	--		
BOB95.55 1/27/67 0600	9050		9.6 96	49.07	--	33400	--	--	--	--	--	--	--	12400	--	--	--	--	22900	--		
BOB95.55 2/24/67 0602	9050		8.0 85	52.07	--	39400	--	--	--	--	--	--	--	14200	--	--	--	--	25600	--		
BOB95.55 3/29/67 0820	9050		--	44.07	-- 8.2	36700	--	--	--	--	--	--	--	12700	--	--	--	--	23700	--		
BOB95.55 4/27/67 0720	9050		8.8 92	53.07	-- 8.2	32600	--	--	--	--	--	--	--	11700	--	--	--	--	22400	--		
BOB95.55 5/26/67 0800	9050		7.6 87	61.07	-- 8.0	37000	--	--	--	--	--	--	--	12600	--	--	--	--	24400	--		
BOB95.55 6/22/67 0645	9050		7.1 79	57.07	-- 8.0	38600	--	--	--	--	--	--	--	13600	--	--	--	--	25200	--		
BOB95.55 8/21/67 0650	9050		6.6 79	62.07	-- 8.1	46800	--	--	--	--	--	--	--	15000	--	--	--	--	33200	--		

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER LAB DATE TIME SAMPLER			G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE							MILLIGRAMS PER LITER								
								CA	MG	NA	K	CO3	HC03	SO4	CL	N03	F	B	Si02	SUM	TH	NCH	
E00347.72 SAN FRANCISCO BAY AT FORT POINT																							
E00347.72 10/19/66 0842								5050	7.8 93	58.0F	-- 8.0	49600	--	--	--	--	--	18800	--	--	--	34500	--
E00347.72 11/17/66 0830								5050	8.0 94	57.0F	-- 8.2	49000	--	--	--	--	--	18300	--	--	--	--	--
E00347.72 12/15/66 0915								5050	8.9 94	53.0F	-- 8.3	37900	--	--	--	--	--	13000	--	--	--	29000	--
E00347.72 1/27/67 0720								5050	9.2 95	50.0F	-- 7.4	39100	--	--	--	--	--	13700	--	--	--	23400	--
E00347.72 2/23/67 0558								5050	9.3 93	46.0F	-- 8.1	43800	--	--	--	--	--	15300	--	--	--	29400	--
E00347.72 3/29/67 1000								5050	--	46.0F	-- 7.2	37000	--	--	--	--	--	12600	--	--	--	24300	--
E00347.72 4/27/67 0900								5050	8.9 94	53.0F	-- 8.2	37300	--	--	--	--	--	12600	--	--	--	24400	--
E00347.72 5/26/67 0930								5050	7.3 81	58.0F	-- 8.2	36700	--	--	--	--	--	12400	--	--	--	24400	--
E00347.72 6/22/67 0830								5050	7.5 87	61.0F	--	38200	--	--	--	--	--	13500	--	--	--	25300	--
E00347.72 8/21/67 0820								5050	6.6 78	60.0F	-- 8.1	47800	--	--	--	--	--	15800	--	--	--	34100	--
E00374.01 SAN PABLO BAY AT POINT SAN PABLO																							
E00374.01 10/20/66 0750								5050	7.2 85	59.0F	--	46100	--	--	--	--	--	16800	--	--	--	31200	--
E00374.01 11/17/66 1200								5050	7.6 89	60.0F	-- 8.0	40400	--	--	--	--	--	14600	--	--	--	--	--
E00374.01 12/14/66 0930								5050	9.1 88	52.0F	-- 7.9	18100	--	--	--	--	--	5910	--	--	--	11400	--
E00374.01 1/26/67 0815								5050	9.3 87	48.0F	-- 7.8	21800	--	--	--	--	--	7770	--	--	--	14100	--

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER			G.H.	TEMP	LAB -PH	EC LAB	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
DATE	LAB	SAMPLER					DO	FLD -PH	FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS	TH	
																								NCH
POINT 74.01 SAN PABLO BAY AT POINT SAN PABLO (CONT.)																								
POINT 74.01 2/24/67 0830	5050		8.5 80	46.0P --	--	29700	--	--	--	--	--	--	--	10800	--	--	--	--	19700	--				
POINT 74.01 3/30/67 0945	5050		10.1 97	45.0P 7.2	--	12200	--	--	--	--	--	--	--	3780	--	--	--	--	7340	--				
POINT 74.01 4/26/67 0900	5050		9.6 91	53.0P --	--	10500	--	--	--	--	--	--	--	3150	--	--	--	--	6310	--				
POINT 74.01 5/24/67 0730	5050		7.9 85	63.0P 7.7	--	15100	--	--	--	--	--	--	--	4800	--	--	--	--	9450	--				
POINT 74.01 6/21/67 0830	5050		7.7 82	61.0P --	--	17000	--	--	--	--	--	--	--	6130	--	--	--	--	10500	--				
POINT 74.01 8/22/67 0940	5050		7.6 91	66.0P 8.0	--	35100	--	--	--	--	--	--	--	11200	--	--	--	--	23900	--				
POINT 30.19 SUITES BAY AT BENICIA																								
POINT 30.19 10/20/66 0920	5050		8.0 91	64.0P --	--	23200	--	--	--	--	--	--	--	9190	--	--	--	--	15000	--				
POINT 30.19 11/16/66 1140	5050		8.1 89	63.0P 7.0	--	13000	--	--	--	--	--	--	--	6130	--	--	--	--	--	--				
POINT 30.19 12/18/66 1140	5050		9.7 86	50.0P 7.3	--	368	--	--	--	--	--	--	--	60	--	--	--	--	219	--				
POINT 30.19 1/26/67 1015	5050		11.0 95	48.0P 7.3	--	558	--	--	--	--	--	--	--	110	--	--	--	--	344	--				
POINT 30.19 2/23/67 0930	5050		12.2 102	45.0P 8.0	--	3740	--	--	--	--	--	--	--	1030	--	--	--	--	2040	--				
POINT 30.19 3/30/67 1225	5050		--	47.0P 7.2	--	467	--	--	--	--	--	--	--	78	--	--	--	--	298	--				

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER LAB DATE TIME	G.H. Q	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIEQUIVALENT PER LITER										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	SUM	TDS	TH	NCH									
EAU30.19 SUISUN BAY AT BENICIA (CONT.)																														
EAU30.19 4/26/67 1100		10.1 96	56.0F 7.5	--	424	--	--	--	--	--	--	--	63	--	--	--	--	--	24.9	--	--									
EAU30.19 5/24/67 1015		8.1 87	67.0F 7.7	--	344	--	--	--	--	--	--	--	55	--	--	--	--	--	1.90	--	--									
EAU30.19 6/21/67 0935		8.2 88	66.0F --	--	358	--	--	--	--	--	--	--	82	--	--	--	--	--	2.00	--	--									
EAU30.19 8/21/67 1040		7.5 85	68.0F 7.8	--	13000	--	--	--	--	--	--	--	3920	--	--	--	--	--	81.30	--	--									
E31100.50 NAPA RIVER AT DUTTON LANDING (72a)																														
E31100.50 11/16/66 0750		6.5 70	59.0F 7.5	7.6 7.5	27000	213 10.63	650 53.47	5350 232.72	180 4.60	0 0.00	120 1.97	--	9350 263.76	--	--	2.1	--	--	3200 3100	--	--									
E31100.50 1/27/67 0850		8.8 77	49.0F 7.8	7.7 7.8	387	13 0.65	12 0.59	43 1.87	3.4 0.09	0 0.00	67 1.10	--	63 1.78	--	--	0.1	--	--	92 27	--	--									
E31100.50 3/30/67 1050		8.1 76	55.0F 7.2	8.1 7.2	942	20 1.00	22 1.61	135 5.87	4.8 0.12	0 0.00	86 1.41	--	214 6.04	--	--	0.1	--	--	140 69	--	--									
E31100.50 5/24/67 0700		5.8 66	71.0F 7.5	7.8 7.5	4120	43 2.15	90 7.40	660 28.71	24 0.61	0 0.00	122 2.00	--	1150 32.44	--	--	0.4	--	--	478 378	--	--									
E31100.50 8/22/67 0955		5.8 69	72.0F 7.6	--	17200	--	--	--	--	--	--	--	5260 148.38	--	--	--	--	11400	--	--	--									
E31500.00 NAPA RIVER NEAR ST. HELENA (72)																														
E31500.00 11/1/66 1540	3.18 0.5	8.4 92	68.0F 7.4	8.5 7.4	363	32 1.60	17 1.40	21 0.91	2.0 0.05	6 0.20	178 2.92	--	14 0.39	--	--	0.3	--	--	150 0	--	--									
E31500.00 1/4/67 0950	1.20 26	7.9 78	49.0F 7.1	7.9 7.1	246	18 0.90	8.8 0.72	17 0.74	22 0.06	0 0.00	91 1.49	--	13 0.37	--	--	0.2	--	--	81 6	--	--									
E31500.00 5/10/67 1030	1.74 72	9.8 96	58.0F 7.4	7.7 7.4	189	17 0.85	7.8 0.64	12 0.52	1.9 0.05	0 0.00	87 1.43	14 0.29	8.7 0.25	5.0 0.08	--	0.1	36	158 146	74 3	--	--									

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLO -PH	EC LAB FLO	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS	TH	NCH
						E51150.00 ALAMEDA CREEK NEAR RILES (73)														
E51150.00 10/27/66 1225	2.95 31	11.8 118	60.0F	8.5 8.0	666	33 1.65	18 1.48	72 149	3.0 0.08	8 0.27	2.05	--	101 2.85	--	--	0.3	--	--	156 40	
E51150.00 11/16/66 1245	2.92 29	9.7 97	60.0F	8.5 7.9	800	41 2.05	22 1.81	86 3.74	4.0 0.10	39 1.30	112 1.84	--	110 3.10	--	--	0.4	--	--	193 36	
E51150.00 12/30/66 1130	2.84 7.5	9.9 90	52.0F	8.4 7.9	860	64 3.19	32 2.03	72 3.33	3.4 0.09	14 0.13	262 4.29	--	88 2.49	--	--	0.6	--	--	291 70	
E51150.00 1/26/67 0700	4.70 655	8.1 73	52.0F	8.1 7.6	304	26 1.30	12 0.99	18 0.78	2.1 0.05	0 0.00	121 1.98	--	14 0.39	--	--	0.2	--	--	114 15	
E51150.00 2/20/67 1300	2.95 30	13.6 123	52.0F	8.5 8.4	823	68 3.39	34 2.80	64 3.13	3.6 0.09	10 0.33	292 4.13	--	69 1.95	--	--	0.6	--	--	310 87	
E51150.00 3/23/67 1235	3.46 100	11.0 101	53.0F	8.3 8.3	498	41 2.05	30 1.65	37 1.61	2.1 0.05	3 0.10	178 2.92	--	34 0.66	--	--	0.4	--	--	185 34	
E51150.00 4/25/67 1120	3.90 274	10.5 97	54.0F	8.2 8.0	357	33 1.65	15 1.23	21 0.91	1.7 0.04	0 0.00	160 2.62	--	14 0.39	--	--	0.2	--	--	144 13	
E51150.00 5/9/67 0910	3.40 87	9.1 95	64.0F	8.0 8.7	752	63 3.14	33 2.71	60 3.13	3.1 0.08	0 0.00	288 4.72	90 1.87	66 1.86	5.8 0.09	--	0.5	13	900 476	292 56	
E51150.00 6/14/67 1020	2.84 20	9.2 97	65.0F	8.4 8.2	915	72 3.59	39 3.13	72 3.1	3.6 0.09	8 0.27	296 4.85	--	80 2.26	--	--	0.5	--	--	336 80	
E51150.00 7/5/67 1153	2.60 8.4	8.9 106	77.0F	8.6 8.3	1120	--	--	87 3.78	--	14 0.47	332 5.44	--	106 2.99	--	--	1.0	--	--	304 68	
E51150.00 8/17/67 0640	2.77 16	7.5 84	71.0F	8.1 8.3	740	--	--	65 2.83	--	0 0.00	206 3.38	--	79 2.23	--	--	0.5	--	--	284 45	
E51150.00 9/7/67 1015	2.92 23	8.6 96	70.0F	8.1 8.1	652	--	--	60 2.61	--	0 0.00	158 2.59	--	78 2.20	--	--	0.4	--	--	175 45	

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TOS	TH	
																					NCH
E51400.00 AROYO DEL VALLE NEAR LIVERMORE (71)																					
E51400.00 12/1/66 1250	5000	2.20 1.6	9.6 92	55.0F	8.3 7.9	997	82 4.09	45 3.70	71 3.09	2.0 0.05	4 0.13	376 6.16	--	84 2.37	--	1.0	--	--	390 75		
E51400.00 1/13/67 0830	5000	2.29 3.8	15.0 138	52.0F	8.3 7.9	639	55 2.74	33 2.71	36 1.57	1.6 0.04	3 0.10	269 4.41	--	31 0.87	--	0.4	--	--	272 46		
E51400.00 5/9/67 1150	5000	2.64 24	8.9 90	60.0F	8.4 8.2	517	50 2.50	27 2.22	21 0.91	1.9 0.05	4 0.13	246 4.03	54 1.12	14 0.39	0.8 0.01	--	0.2	13	336 307	236 28	
E64250.00 COYOTE CREEK NEAR MADRONE (82)																					
E64250.00 11/18/66 1050	5000	0.0																			
E64250.00 1/17/67 1310	5000	2.30 42	10.5 100	55.0F	8.4 8.0	493	44 2.20	23 1.89	28 1.22	2.0 0.05	1 0.03	217 3.56	--	21 0.59	--	0.2	--	--	204 24		
E64250.00 5/2/67 1410	5000	1.83 2.6	14.5 151	63.0F	8.7 8.9	318	30 1.50	14 1.15	15 0.65	1.5 0.04	8 0.27	121 1.98	33 0.69	9.1 0.26	1.8 0.03	--	0.0	11	208 182	132 20	
E65950.00 LOS GATOS CREEK AT LOS GATOS (74)																					
E65950.00 12/1/66 1940	5000	3.52 0.6	10.0 105	63.0F	8.5 8.2	599	58 2.89	22 1.81	18 0.78	1.9 0.05	12 0.40	182 2.98	--	11 0.31	--	0.1	--	--	235 68		
E65950.00 1/17/67 1140	5000	3.91 15	10.4 107	61.0F	8.4 8.1	381	41 2.05	16 1.38	14 0.61	2.0 0.05	2 0.07	140 2.29	--	8.5 0.24	--	0.1	--	--	168 50		
E65950.00 5/2/67 1055	5000	4.63 105	10.6 99	53.0F	8.1 8.3	270	29 1.45	11 0.90	10 0.44	1.2 0.03	0 0.00	119 1.95	34 0.71	5.3 0.15	1.1 0.02	--	0.0	14	179 165	118 20	
F81100.00 GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (9a)																					
F81100.00 11/4/66 0950	5000	4.13 596	10.4 98	55.0F	8.6 7.3	278	26 1.30	13 1.07	14 0.61	1.3 0.03	5 0.17	148 2.43	--	7.6 0.21	--	0.1	--	--	118 0		
F81100.00 1/6/67 1150	5000	2.63 95	10.9 106	58.0F	8.4 7.8	217	21 1.05	9.9 0.81	9.0 0.39	1.0 0.03	2 0.07	110 1.80	--	5.8 0.16	--	0.1	--	--	93 0		

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB LAB SAMPLER	G.H. Q	DO TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
						MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										F	B	SiO2	TDS SUM	TH NCH
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3						
P82720.00 BIG RIVER NEAR MOUTH (16c)																				
P82720.00 11/3/66 1130	5000	20 est.	9.8 54.0P 91	8.4 7.4	225	22 1.10	7.7 0.63	12 23	1.3 0.03	3 0.10	110 1.80	--	7.4 0.21	--	--	0.3	--	--	96 0	
P82720.00 1/5/67 1450	5000	50 est.	13.0 50.0P 115	8.4 7.6	209	19 0.05	6.6 0.54	9.8 22	1.1 0.03	1 0.03	98 1.61	--	6.1 0.17	--	--	0.2	--	--	74 0	
P83930.50 MYO RIVER NEAR POINT BRADG (10c)																				
P83930.50 11/3/66 1030	5000	20 21	9.9 58.0P 90	8.3 7.3	177	16 0.50	5.6 0.46	12 23	1.1 0.03	2 0.07	80 1.31	--	9.7 0.27	--	--	0.1	--	--	63 0	
P83931.50 1/6/67 0900	5000	3.07 40	10.9 49.0P 95	8.0 7.4	149	14 0.70	4.7 0.39	8.9 24	1.0 0.03	0 0.00	70 1.15	--	7.1 0.20	--	--	0.1	--	--	54 0	
P81090.50 RUSSIAN RIVER AT GREENVILLE (10)																				
P81090.50 11/30/66 0815	5000	7.10 1320	9.6 56.0P 91	8.4 7.6	246	21 1.05	1.3 1.37	9.7 16	1.0 0.05	2 0.07	114 1.57	--	7.0 0.20	--	--	0.2	--	--	106 9	
P81090.50 1/20/67 0755	5000	9.42 2890	10.2 54.0P 91	8.2 7.3	181	10 1.05	4.0 1.11	5.7 25	1.1 0.03	0 0.00	91 1.49	--	2.6 0.07	--	--	0.3	--	--	30 9	
P81090.50 3/9/67 0715	5000	8.79 2470	10.4 52.0P 94	8.3 7.3	224	21 1.05	1.3 1.37	9.7 16	1.0 0.05	2 0.07	118 1.93	--	4.1 0.12	--	--	0.2	--	--	102 9	
P81090.50 5/31/67 0940	5000	550	9.1 66.0P 97	7.9 7.9	302	20 1.45	1.32 1.44	10 14	0.2 0.03	0 0.00	165 2.19	17 0.35	5.3 0.15	2.5 0.04	--	0.2	15	194 177	138 3	
P81090.50 7/5/67 0750	5050	4.05 908	7.5 75.0P 91	8.3 7.9	313	--	--	11 0.48	--	0 0.03	163 2.67	--	7.4 0.21	--	--	0.3	--	--	136 -	
P81090.50 9/7/67 0645	5050	3.0 223	8.3 74.0P 96	8.1 8.1	253	--	--	8.5 0.37	--	0 0.00	137 2.24	--	5.0 0.14	--	--	0.3	--	--	113 -	

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER									
							RUSSIAN RIVER NEAR HEADSBERG (9)										RUSSIAN RIVER NEAR HOPLAND (8a)					RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE (10a)				
							CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SiO2	SUM	TDS	TH	NCH				
FS1500.00 11/14/66 0630	5000	1.77 405	10.6 104	59.0F	8.5 8.0	226	24 1.20	10 0.32	7.3 0.14	1.1 0.03	4 0.13	120 1.97	--	3.6 0.10	--	0.3	--	--	101 0							
FS1500.00 1/20/67 0700	5000	3.30 1860	10.2 95	46.0F	8.1 8.1	180	13 0.40	8.2 0.47	6.3 0.27	1.2 0.03	0 0.00	91 1.49	--	3.2 0.09	--	0.2	--	--	78 3							
FS1500.00 5/11/67 0930	5000	2.92 1290	10.1 97	57.0F	8.0 7.3	244	24 1.20	13 1.07	7.7 0.33	0.9 0.02	0 0.00	134 2.20	14 0.29	3.7 0.10	2.1 0.03	--	0.2	14	153 146	114 4						
FS1765.00 11/2/66 1530	5000	5.39 466	9.9 107	65.0F	8.4 7.2	205	23 1.15	8.7 0.72	6.9 0.30	0.9 0.02	3 0.10	109 1.79	--	3.1 0.09	--	0.2	--	--	84 0							
FS1765.00 1/5/67 0900	5000	4.99 127	8.5 75	48.0F	8.4 7.0	247	24 1.20	12 0.59	9.0 0.39	1.0 0.03	2 0.07	124 2.03	--	6.0 0.17	--	0.4	--	--	110 5							
FS1765.00 5/11/67 0130	5000	6.19 694	10.1 93	52.0F	7.6 7.4	190	19 0.95	8.9 0.73	7.1 0.31	0.9 0.02	0 0.00	101 1.66	10 0.21	3.1 0.09	1.6 0.03	--	0.1	12	120 113	84 1						
FS4900.00 11/2/66 1600	5000	3.55 310	11.7 123	62.0F	8.4 8.0	194	24 1.20	6.8 0.56	5.6 0.24	0.9 0.02	2 0.07	104 1.70	--	3.0 0.08	--	0.3	--	--	88 0							
FS4900.00 1/5/67 1200	5000	3.48 300	14.0 127	50.0F	8.2 7.5	142	17 0.45	5.0 0.61	4.4 0.19	1.0 0.03	0 0.00	77 1.26	--	2.1 0.06	--	0.4	--	--	63 0							
FS4900.00 5/10/67 1715	5000	3.50 303	10.4 97	52.0F	8.1 7.7	133	16 0.30	4.9 0.40	4.0 0.17	0.6 0.02	0 0.00	71 1.16	7.0 0.15	1.2 0.03	0.2 0.00	--	0.1	11	91 80	60 2						

Miscellaneous Constituents in Surface Water

Two of the several column headings in the following table show:

- Turbidity - The values are shown in ppm when they represent parts per million of silica and in Jackson Candle Units when reported as "Units".
- MBAS - Methylene blue active substances are a measure of detergents ABS and LAS.

TABLE D-3
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date	Turbidity		MBAS in mg/l	As in mg/l	PO ₄ in mg/l	Other Constituents
			ppm	units				
San Lorenzo River at Big Trees (75)	D01200.00	11-15-66	80					
		1-18-67	2					
		5-3-67	4		0.0	0.00	0.23	
		7-18-67	2					
		9-6-67	1					
Soquel Creek at Soquel (76)	D03100.00	12-1-66	40					
		1-17-67	1					
		5-2-67	5		0.0	0.00	0.10	
Pajaro River at Chittenden (77)	D11250.00	11-30-66	2					
		1-12-67	5					
		3-9-67	10					
		5-18-67	50		0.0	0.01	0.18	
		7-18-67	50					
Uvas Creek near Morgan Hill (96)	D11371.50	9-6-67	25					
		11-18-66	1					
		1-17-67	4					
		5-2-67	5		0.0	0.00	0.02	
San Benito River near Bear Valley Fire Station (77a)	D12450.00	11-25-66	1					
		1-10-67	15					
		5-16-67	25		0.0	0.00	0.02	
Salinas River near Spreckels (43)	D21220.00	11-30-66	5					
		1-12-67	25					
		3-9-67	35					
		5-18-67	35		0.0	0.00	0.40	
		7-18-67	30					
Salinas River near Bradley (43c)	D21850.00	9-6-67	45					
		1-11-67	4					
Salinas River at Paso Robles (43a)	D31450.00	5-17-67	25		0.0	0.00	0.38	
		1-10-67	4					
San Antonio River near Playto (43d)	D32200.00	5-16-67	10		0.0	0.00	0.26	
		11-25-66	1					
Nacimiento River near San Miguel (43b)	D33520.00	1-11-67	1					
		11-26-66	10					
		5-17-67	10		0.0	0.00	0.10	
Carmel River at Robles del Rio (83)	D41200.00	1-11-67	1					
		5-17-67	1		0.0	0.00	0.02	
Napa River at Dutton Landing (72a)	E31100.50	11-16-66	20					
		1-27-67	110					
		3-30-67	50					
		5-24-67	40					
Napa River near St. Helena (72)	E31500.00	11-1-66	1					
		1-4-67	1					
		5-10-67	5		0.0	0.00	0.41	
Alameda Creek near Niles (73)	E51150.00	10-27-66	4		0.0			
		11-16-66	10		0.0			
		12-20-66	5					
		1-26-67	360					
		2-20-67	5					
		3-29-67	20					
		4-25-67	105					
		5-9-67	5		0.0	0.00	2.2	
		6-14-67	5					
		7-5-67	10					
		8-17-67	15					
Arroyo del Valle near Livermore (71)	E51400.00	9-7-67	15					
		12-1-66	5					
		1-13-67	4					
Coyote Creek near Madrone (82)	E64250.00	5-9-67	900		0.0	0.00	0.09	
		1-17-67	45					
Los Gatos Creek at Los Gatos (74)	E65250.00	5-2-67	30		0.0	0.01	0.07	
		12-1-66	60					
		1-17-67	25		0.0	0.00	0.10	
		5-2-67	40					

TABLE D-3
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date	Turbidity		MBAS in mg/l	As in mg/l	PO ₄ in mg/l	Other Constituents
			ppm	units				
Gualala River, South Fork, Near Annapolis (9a)	F81100.00	11-4-66		1				
		1-6-67		1				
Big River near Mouth (8c)	F82720.00	11-3-66		1				
		1-5-67		1				
Noyo River near Fort Bragg (10c)	F83080.50	11-3-66		1				
		1-6-67		4				
Russian River at Guerneville (10)	F91080.50	11-30-66		25				
		1-20-67		105				
		3-30-67		35				
		5-31-67		5	0.0	0.00	0.26	
		7-5-67		30				
		9-7-67		5				
Russian River near Healdsburg (9)	F91500.00	11-4-66		3				
		1-20-67		90				
		5-11-67		10	0.0	0.00	0.09	
Russian River near Hopland (8a)	F91765.00	11-2-66		4				
		1-5-67		4				
		5-11-67		10	0.0	0.00	0.14	
Russian River, East Fork, at Potter Valley Powerhouse (10a)	F94900.00	11-2-66		3				
		1-5-67		50				
		5-10-67		25	0.0	0.00	0.08	

TABLE D-4
DESCRIPTION OF SALINITY
OBSERVATION STATIONS
CENTRAL COASTAL AREA

STATIONS	STATION NUMBER	LOCATION
Crockett	E03100.90	West end of Carquinez Strait, south shore, 0.2 mile east of Carquinez Bridge on wharf of C and H Sugar Refinery Corporation.
Martinez	E03300.10	East end of Carquinez Strait, sampled from Shell Oil Company dock, about 0.6 mile downstream from Southern Pacific Company railroad bridge.
Port Chicago	E03200.90	South shore of Suisun Bay at U. S. Naval ammunition loading wharf below Port Chicago.
Middle Point	E03200.00	South shore of Suisun Bay, about 0.5 mile upstream from Middle Point at Allied Chemical Corporation Yard.
Pittsburg	B91070.10	East end of Suisun Bay in New York Slough at Pittsburg Yacht Harbor.
Collinsville	E31110.00	Sacramento River, north bank, at junction with San Joaquin River.

TABLE D-5
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*
Chlorides In Milligrams Per Liter

STATION	October 1966							
	10-2-66	10-9-66	10-16-66	10-23-66	10-30-66	11-6-66	11-13-66	11-20-66
Crockett	1390c	2130a	1400a	1140c	1160c	2080c	1250c	1300c
Martinez	9090a	8780a		5560a	1100c	8606ac	570c	880c
Port Chicago	7260	5480	5500d	5440	670c	6710	700	5600
Middle Point	6100							
Pittsburg	952		670a	611	1070abd	630	212c	918
Collinsville	933a	724a	805a	831	672a	77a	1440	84c
STATION	November 1966							
	11-2-66	11-9-66	11-16-66	11-23-66	11-30-66	12-7-66	12-14-66	12-21-66
Crockett	1160c	1160c	1180c	1210c	63c	8070c		
Martinez	8130a	761c	7640a		61c	3530c		
Port Chicago	7840	5000	4780	7430	3120		2190	
Middle Point	6420		5490				1410	120
Pittsburg	1350bd	808a		580		171		30
Collinsville	836a	823a	681	1220	230a	39	24	21
STATION	December 1966							
	12-2-66	12-9-66	12-16-66	12-23-66	12-30-66	1-6-67	1-13-67	1-20-67
Crockett	6920c	3800c	1850c	2430	431c	680c	700c	618c
Martinez	2850a	267d	2310bd			6090c	3580c	380
Port Chicago	2630	33		34		230c		132c
Middle Point		31ac			20		844	12c
Pittsburg	37c	21	34	44	35		40	27
Collinsville	144	0	12	14	14	11	10	44
STATION	January 1967							
	1-2-67	1-9-67	1-16-67	1-23-67	1-30-67	2-6-67	2-13-67	2-20-67
Crockett	6620c	240c	780c	683c	663c	440c		44c
Martinez	447c	81c	1120c	2340a	6040c	1740c		44c
Port Chicago	311	33		30c	240c	240c	300c	440c
Middle Point	10c		14c			40		10c
Pittsburg				700c	14c			44c
Collinsville	144	80c	10c	70c	10c	10c		44c

* Samples taken at four-day intervals approximately one day after high (low) tide.
a Taken after low (high) tide. d Taken on the first scheduled day.
b Taken on following day. e Taken preceding day.
c Taken two days later.

TABLE D-5
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*
Chlorides in Milligrams Per Liter

STATION	February 1967							
	2-2-67	2-6-67	2-10-67	2-14-67	2-18-67	2-22-67	2-26-67	
Crockett	174	1490	2590		4150	6470	4810	
Martinez	29		37a	1160	2130		1490a	
Port Chicago	26	18		30	352	1760	300	
Middle Point	28				28ae	1270	98	
Pittsburg	21	31			38		36	
Collinsville	6	7d	10a	21	15	14	17	

STATION	March 1967							
	3-2-67	3-6-67	3-10-67	3-14-67	3-18-67	3-22-67	3-26-67	3-30-67
Crockett	5270	6180	7100	5650	2950	2920	2210	2470
Martinez	2070	3080a	5370		350	676		
Port Chicago	1120	990	2630	660	41		37	30
Middle Point	51a			118	29		32	23acd
Pittsburg	32bd		36bd	36a	35	26	38a	26
Collinsville	13	18	24	20	18	11	9a	12

STATION	April 1967							
	4-2-67	4-6-67	4-10-67	4-14-67	4-18-67	4-22-67	4-26-67	4-30-67
Crockett	2800	4280	2900	1340	3000	3380	1770	642
Martinez	32ae	2210	915a		1780ae	1100a	343ad	
Port Chicago	27	73	26	28		29	39	
Middle Point	23ae	27	18a		21	27	20a	19
Pittsburg	25		25abd			26a	25a	20
Collinsville	16	12	8a	14	10	12a	12	8

STATION	May 1967							
	5-2-67	5-6-67	5-10-67	5-14-67	5-18-67	5-22-67	5-26-67	5-30-67
Crockett	1270	3370	3040	1780	1400a	4000	3130	2030e
Martinez			154a	228	340a	2800	84a	954e
Port Chicago	26		30	18	100	28	22	16e
Middle Point	17d		15	15		12a	13	12e
Pittsburg	22a	19		19		17a		
Collinsville		10	9a	11	9a	8a	8	

* Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.

b Taken on following day.

c Taken two days later.

d Taken over one hour off scheduled time.

e Taken on preceding day.

TABLE D-5
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*
Chlorides in Milligrams Per Liter

STATION	June 1967							
	6-2-67	6-6-67	6-10-67	6-14-67	6-18-67	6-22-67	6-26-67	6-30-67
Crockett	3060	2850						
Martinez	850a	280a	1020	119ab	70a	373a	1090a	335a
Port Chicago	526	16	17	18		310	17	1140c
Middle Point				12	15		14	
Pittsburg	16a	16a	15a		13a	14abd	13bd	18a
Collinsville	9a	10a	10	11a	8a	18a	8	8a
STATION	July 1967							
	7-2-67	7-6-67	7-10-67	7-14-67	7-18-67	7-22-67	7-26-67	7-30-67
Crockett							675c	7800c
Martinez	342a	3440	2570	1220c	24c	6130	4760ad	4660c
Port Chicago	64a	337	40a	763c	42c	2340	1730	3340c
Middle Point		27	57		28c			
Pittsburg	16ad				21ab	28a	35abd	106a
Collinsville	9a	7a	12	10a	13a	22d	22a	17a
STATION	August 1967							
	8-2-67	8-6-67	8-10-67	8-14-67	8-18-67	8-22-67	8-26-67	8-30-67
Crockett		1080c	1053c	952c	9690cd	10000		
Martinez	7200	7170	5790a	7650c	7320	7930	3780a	6400c
Port Chicago	5160	6810	3380	4970c		3260cd	2920	3820c
Middle Point	1570			4360c	4970	4120	4360	2980a
Pittsburg	200a	270a				386a	317a	211a
Collinsville	183a				228a	465a	228a	158a
STATION	September 1967							
	9-2-67	9-6-67	9-10-67	9-14-67	9-18-67	9-22-67	9-26-67	9-30-67
Crockett		1040c	941	8100c	9020		1130	880
Martinez	6350a	6600	4920c	6780	4870a	48		40
Port Chicago	4480	291	47	2460	2200		2270	138
Middle Point	47	280		47	47		480	
Pittsburg	247	2400	47	2400	2400			47
Collinsville	47	2400	2400	2400	2400			47

* Samples taken at low water.

a Taken after low water tide.

b Taken on following day.

c Taken two days later.

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved Oxygen		Specific Conductance (at 25°C)		pH	Secchi Disk (Feet)	* Turbidity Field Lab	Suspended Solids (mg/l)	Other Constituents and Remarks (mg/l)	Nutrients - - - - - mg/l										Total Organic Phosphorus (PO ₄)	Total Phosphate (PO ₄)
					mg/l	% Sat	Field	Lab						Field	Lab	Nitrate (NO ₃)	Ammonium (NH ₄)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphorus (PO ₄)	Total Phosphorus (PO ₄)			
SAN JOAQUIN RIVER AT ANTIOCH	B95010.01	10-20-66 1100		68	8.0	87		2570	7.6	0.7		84	BOD = 1.0; COD = 23 Phenols = 0.004				0.00	0.02	0.4	0.6		0.42	0.54	0.58	
		11-16-66 0940		62	9.3	95		1370	7.5	0.4	15	52	Phenols = 0.000				0.14		0.2	0.5			0.30		
		12-14-66 1245		54	9.0	83		253	7.3	1.0		37	BOD = 1.2; COD = 12 Phenols = 0.001				0.12	0.01	0.8	1.1	0.24	0.39	0.40	0.40	
		1-26-67 1135		46	11.4	95		321	7.3	0.4		110	BOD = 2.6; COD = 19 Phenols = 0.005				0.15	0.01	1.2	0.8	0.41	0.56	0.72	0.72	
		2-23-67 1013		45	12.5	103		372	6.8	0.7		45	BOD = 2.0; COD = 12 Phenols = 0.003				0.04	0.01	1.0	0.8	0.27	0.44	0.44	0.44	
		3-30-67 1420		45	13.5	112		309	7.0	1.0		60	BOD = 1.4; COD = 10 Phenols = 0.000				0.05		0.5	0.3	0.25	0.30	0.39	0.39	
		4-26-67 1405		56	9.7	92		228	6.8	1.9		42	BOD = 1.4; COD = 7 Phenols = 0.000				0.16		0.3	0.7	0.23	0.28	0.42	0.42	
		5-24-67 1245		70	7.4	82		136	8.0	1.3		90	BOD = 1.0; COD = 5 Phenols = 0.001				0.01		0.1	0.4	0.21	0.29	0.38	0.38	
		6-21-67 1200		67	8.7	94		142	7.6	1.1		72	BOD = 1.4; COD = 5 Phenols = 0.000				0.01		0.0	0.4	0.20	0.26	0.42	0.42	
		8-21-67 1220		74	7.8	90		143	7.6	1.6		26					0.05	0.00	0.1	0.4	0.09	0.23	0.35	0.35	

* Lab Turbidity is given in parts per million of silica

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled PST	Discharge Temp in CFS in °F	Dissolved Oxygen mg/l %Sat	Specific Conductance (micromhos/cm at 25°C) Field Lab	pH Field Lab	Secchi Disk (Feet)	Turbidity Field Lab (mg/l)	* Suspended Solids (mg/l)	Other Constituents and Remarks (mg/l)	Nutrients -----mg/l							
											Nitrate Ammonium (NO ₃)	Nitrite (NI)	Nitrate (NI)	Organic Nitrogen (NI)	Ortho-phosphate (PO ₄)	Total Organic Phosphate (PO ₄)	Total Phosphate (PO ₄)	
SAN LORENZO RIVER AT BIG TREES (75)	D01200.00	11-15-66 1100	36	59	10.8	108	7.2 8.1	80	131		0.01	0.00	0.2	1.3	1.2	1.3	1.6	
		1-18-67 1110	36	46	10.9	92	8.0 8.4	7			0.02	0.00	0.3	0.5	0.36	0.38	0.49	
		5-3-67 0800	248	50	10.6	95	7.2 8.2	4	11		0.00	0.00	0.1	0.3	0.28	0.29	0.30	
		7-18-67 0900	39	60	9.7	98	7.2 8.3	7	5		0.00	0.00	0.1	0.2	0.38	0.39	0.40	
		9-6-67 1015	28	63	9.7	101	7.8 8.0	1			0.11	0.01	0.4	0.3	0.48	0.55	0.59	
		11-15-66 0715		59			8.2	2.5	193		0.00	0.02	0.2	0.4	0.92	1.1	1.1	
MONTEREY BAY AT SANTA CRUZ (120)	D0961.52	1-18-67 0830	48	10.6	114	51200	8.1	1.5	5		0.20	0.01	0.2	0.2	0.12	0.12	0.19	
		3-16-67 0800	49	10.1	107	44600	8.1	2.1	25		0.00	0.00	0.2	0.0	0.13	0.18	0.29	
		5-3-67 0605	54	8.9	105	50800	8.5	9.1	2		0.08	0.00	0.1	0.6	0.05	0.07	0.10	
		11-30-66 1010	1.8	58	9.2	91	1450	7.8 8.5	7	11		0.20	0.01	0.1	0.8	0.40	0.46	0.68
		1-12-67 0810	1.6	49	10.0	88	1440	7.9 8.3	5	23		0.00	0.02	3.1	0.5	0.08	0.22	0.28
		3-9-67 1015	78	50	9.9	88	1040	7.8 8.4	10	14		0.25	0.03	3.6	0.9	0.08	0.13	0.22
PAJARO RIVER AT CHITTENDEN (77)	011250.00	5-18-67 1020	150	64	7.8	82	778	8.0 7.8	50	74		0.00	0.06	2.4	0.9	0.21	0.32	0.42
		7-18-67 0715	19	65	7.1	75	1410	8.1 8.5	50	57		0.15	0.09	6.2	0.5	0.37	0.48	0.65
		9-6-67 0730	5.0	66	6.8	73	1390	8.2 8.5	25			0.15	0.07	1.9	1.1	0.27	0.33	0.46
		11-30-66 0810	1.5	60	2.9	29	1250	7.4 7.9	5	66		11	1.5	9.8	1.1	48	56	56
		1-12-67 0638	160	48	4.5	39	948	7.5 8.5	25	45		0.52	0.03	1.4	0.5	1.9	2.3	2.3
		3-9-67 0830	305	47	5.0	42	884	7.2 8.5	35	52		0.03	0.00	1.1	0.4	0.47	0.53	0.58
SALINAS RIVER NEAR SIREXELS (43)	021220.00																	

*Lab Turbidity is given in parts per million of silica.

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled PST	Discharge (cfs)	Temp (°F)	Dissolved Oxygen (mg/l)	Specific Conductance at 25°C (Field Lab)	pH (Field Lab)	Secchi Disk (Feet)	* Turbidity (mg/l)	Other Constituents and Remarks (mg/l)	Nutrients — mg/l						Total B Phosphorus (PO ₄)	
											Nitrate (NO ₃)	Ammonium (NH ₄)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO ₄)		
SALINAS RIVER NEAR SPRECKELS (43) (CONT.)	D21220.00	5-18-67 0730	455	67	8.5	92	776	8.3	35	82	0.01	0.01	0.6	0.5	0.47	0.73	0.78	
		7-18-67 0515	82	65	7.8	82	739	8.0	30	58	0.35	0.05	0.3	0.4	0.39	0.59	0.82	
		9-6-67 0330	205	68	8.5	93	336	8.0	45		0.24	0.00	0.2	0.6	0.43	0.45	0.82	
		10-19-66 1040		60	6.9	84	50100	8.0	2.4	16	0.00	0.05	0.8	0.0	1.8	1.8	1.8	
		11-17-66 1030		59	7.4	89	49100	8.2	20	24	0.05		0.6	0.6		1.1		
		12-16-66 1030		50	7.6	78	40800	8.1	1.7	39	0.15	0.04	0.6	0.3	0.70	1.0	1.0	
		1-27-67 1005		50	9.2	94	38200	8.2	0.8	98	0.18	0.03	0.7	0.7	0.69	0.72	1.1	
		2-24-67 1015		47	13.0	124	30000	8.0	1.0	134	0.01	0.02	0.5	0.6	0.47	0.63	0.81	
		3-29-67 1230		48	10.2	100	34600	7.2	0.9	202	0.02		0.7	0.5	0.79	0.89	1.4	
		4-27-67 1235		56	9.7	103	30000	8.2	1.0	105	0.00		0.5	0.7	0.58	0.80	1.0	
SAN FRANCISCO BAY AT TREASURE ISLAND	E06H59.55	5-26-67 0600		62	7.7	88	29700	8.2	1.0	132	0.05		0.4	0.7	0.71	1.0	1.3	
		6-22-67 1110		65	8.4	100	35400		1.1	64	0.00	0.3	0.5	0.55	0.55	0.55	0.57	
		8-22-67 0815		68	7.2	90	41100	8.2	2.2	6.8	0.02	0.01	0.4	0.4	0.84	1.2	1.4	
		10-19-66 0745		58	7.4	89	49300	7.2	2.8	11	0.00	0.02	0.4	0.2	0.27	0.40	0.44	
		11-17-66 0710		58	9.3	110	47200	7.2	3.0	9	0.04		0.4	0.1		0.31		
		12-15-66 0750		53	8.5	89	33400	8.4	1.8	24	0.04	0.02	0.4	0.5	0.34	0.40	0.42	
		1-27-67 0600		49	9.6	96	33400		0.6	52	0.12	0.01	0.5	0.8	2.2	2.5	3.1	
		2-24-67 0602		52	8.0	85	39800		0.8	38	0.04	0.01	0.6	0.2	0.24	0.31	0.44	

*Lab Turbidity is given in parts per million of silica.

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time of day and PST	Discharge in cfs	Temp in °F	Dissolved Oxygen mg/l % Sat	Specific Conductance (microhm/cm at 25°C) Field Log	pH Field Log	Secchi Disk Field Log	Turbidity Field Log	Other Constituents and Remarks (mg/l)	Nutrients — — — — — mg/l						
											Nitrate (NO ₃) (M)	Nitrite (M)	Nitrate (M)	Ammonia (M)	Organic Nitrogen (N)	Ortho-phosphate (PO ₄) (PO ₄)	Total Phosphate (PO ₄) (PO ₄)
SAN FRANCISCO BAY AT TREASURE ISLAND (CONT.)	E00159,55	3-29-67 0820		47		36700	8.2	1.1		BOD = 0.7; COD = 24 Phenols = 0.000			0.4	0.11	0.1	0.20	0.30
		4-27-67 0720		53	8.8	32600	8.2	1.0		BOD = 1.1; COD = 32 Phenols = 0.000			0.2	0.00	0.6	0.24	0.32
		5-26-67 0800		61	7.6	37000	8.0	1.1		BOD = 1.0; COD = 22 Phenols = 0.000			0.3	0.01	0.6	0.31	0.47
		6-22-67 0645		57	7.1	38600	8.0	1.2		BOD = 0.8; COD = 18 Phenols = 0.000			0.4	0.00	0.7	0.30	0.33
		8-21-67 0650		62	6.6	56800	8.1	4.0					0.11	0.06	0.2	0.23	0.34
		10-11-66 0842		56	7.8	49600	8.0	3.2		BOD = 0.4; COD = 19 Phenols = 0.002			0.6	0.00	0.4	0.27	0.30
		11-17-66 0830		57	8.0	40000	8.2	2.5	6	COD = 20 Phenols = 0.001			0.3	0.10	0.3	0.27	0.37
		12-13-66 0915		53	8.9	37900	8.2	3.8		BOD = 0.5; COD = 27 Phenols = 0.000			0.4	0.16	0.7	0.33	0.43
		1-27-67 0720		50	9.2	39100	7.4	1.7		BOD = 0.7; COD = 19 Phenols = 0.001			0.5	0.06	0.7	0.24	0.37
		2-23-67 0558		46	9.3	48800	8.1	2.2		BOD = 0.8; COD = 18 Phenols = 0.002			0.4	0.17	0.7	0.20	0.33
SAN PABLO BAY AT POINT SAN PABLO	E00174,01	3-29-67 1000		46		37000	7.2	1.8		BOD = 0.5; COD = 27 Phenols = 0.000			0.3	0.03	0.3	0.22	0.31
		4-27-67 0900		53	8.9	37300	8.2	1.1		BOD = 0.8; COD = 26 Phenols = 0.000			0.4	0.00	0.4	0.20	0.29
		5-26-67 0920		58	7.3	36700	8.2	1.8		BOD = 0.6; COD = 21 Phenols = 0.000			0.3	0.05	0.4	0.22	0.31
		6-22-67 0830		61	7.5	38200		1.4		BOD = 0.4; COD = 11 Phenols = 0.001			0.4	0.00	0.3	0.29	0.32
		8-21-67 0820		60	6.6	57600	8.1	5.0		BOD = 0.6; COD = 22 Phenols = 0.001			0.2	0.01	0.3	0.21	0.31
		10-10-66 0750		59	7.2	46100		3.6		Phenols = 0.000			0.4	0.00	0.3	0.32	0.33
		11-17-66 1200		60	7.6	40600	8.0	2.5	6	COD = 22 Phenols = 0.000			0.4	0.17	0.7	0.32	0.38
		12-13-66 0930		52	9.1	18100	7.9	1.9		BOD = 0.5; COD = 20 Phenols = 0.000			0.4	0.20	0.7	0.27	0.32

*Lab Turbidity is given in parts per million of silica.

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge Temp in °F	Dissolved Oxygen mg/l %Sat	Specific Conductance at 25°C Lab	pH Field Lab	Secchi Disk (Feet)	* Turbidity Field Lab	Suspended Solids (mg/l)	Other Constituents and Remarks (mg/l)	Nutrients ----- mg/l						Total Organic Phosphorus (PO ₄)	Total Organic Nitrogen (PO ₄)	
											Nitrate Ammonium (NO ₃) (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO ₄)				
SAN PABLO BAY AT POINT SAN PABLO (CONT.)	E00J74.01	1-26-67 0815	48	9.3 87	21800	7.8	0.8		83	800 = 1.4; COD = 28 Phenols = 0.003	0.53	0.02	0.7	0.8	0.42	0.43	0.60		
		2-24-67 0830	46	8.5 80	29700	7.2	1.2		57	800 = 1.1; COD = 20 Phenols = 0.001	0.34	0.01	0.5	0.9	0.26	0.33	0.49		
		3-30-67 0945	45	10.1 87	12200	7.2	1.1		119	800 = 1.1; COD = 22 Phenols = 0.000	0.14		0.4	1.1	0.29	0.44	0.60		
		4-26-67 0900	53	9.6 91	10500	7.2	0.6		196	800 = 1.1; COD = 25 Phenols = 0.000	0.16		0.3	0.5	0.27	0.35	0.68		
		5-24-67 0730	63	7.9 85	15100	7.2	0.9		190	800 = 1.0; COD = 27 Phenols = 0.000	0.12		0.4	0.7	0.43	0.47	0.86		
		6-21-67 0830	61	7.7 82	17000	8.0	0.6		163	800 = 1.3; COD = 20 Phenols = 0.000	0.02		0.2	0.7	0.30	0.48	1.5		
		8-22-67 0940	66	7.6 91	35100		2.2		54		0.07	0.03	0.3	0.5	0.23	0.34	0.34		
		10-20-66 0920	64	8.0 91	23200	7.0	0.8		37	800 = 1.2; COD = 23 Phenols = 0.000	0.00	0.01	0.6	0.5	0.31	0.42	0.49		
		11-16-66 1140	63	8.1 89	18000		0.3	45	56	800 = 1.0; COD = 19 Phenols = 0.000	0.16		0.4	0.6		0.26			
		12-15-66 1148	50	9.7 86	368	7.3	0.6		120	800 = 2.2; COD = 29 Phenols = 0.002	0.28	0.00	0.5	0.7	0.32	0.44	0.55		
SUISUN BAY AT ARMY POINT	E00G30.19	1-26-67 1015	48	11.0 95	558	7.3	0.3		300	800 = 0.9; COD = 19 Phenols = 0.002	0.13	0.00	0.8	1.2	0.53	1.0	1.2		
		2-23-67 0830	45	12.2 102	3740	8.0	0.7		69	800 = 1.6; COD = 15 Phenols = 0.000	0.10	0.01	0.5	0.9	0.24	0.31	0.38		
		3-30-67 1225	47		467	7.2	0.8		366	800 = 1.6; COD = 35 Phenols = 0.000	0.10		0.5	1.2	0.78	0.94	1.0		
		4-26-67 1100	56	10.1 96	424	7.5	0.4		308	800 = 1.6; COD = 33 Phenols = 0.000	0.04		0.4	0.6	0.51	0.66	1.2		
		5-26-67 1015	67	8.1 87	344	7.2	0.5		560	800 = 2.3; COD = 5 Phenols = 0.000	0.26		0.5	1.1	0.67	0.68	1.8		
		6-21-67 0935	66	8.2 88	358		0.3		730		0.03		0.2	5.8	1.0	0.69	3.0		
		8-21-67 1040	68	7.5 85	13000	7.8	0.3		439		0.10	0.02	0.2	1.3	0.21	1.0	1.5		

*Lab Turbidity is given in parts per million of silica.

TABLE D-6
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved Oxygen		Specific Conductance at 25°C	pH	Secchi Disk (feet)	* Turbidity Field Lab	Suspended Solids (mg/l)	Other Constituents and Remarks (mg/l)	Nutrients						Total Organic Phosphorus (PO ₄)	Total Organic Nitrogen (PO ₄)
					mg/l	% Sat							Field Lab	Field Lab	Nitrate (NO ₃) (N)	Nitrite (N)	Ammonium (N)	Organic Nitrogen (N)		
NAPA RIVER AT DUTTON LANDING (724)	E31100.50	11-16-66 0750		59	6.5	70	27200	7.5	1.6	20	28	800 = 1.0	0.12	0.09	0.6	0.4	0.21	0.36	0.50	
		1-27-67 0850		49	8.8	77	467	7.8	0.5	110	150		0.21	0.00	1.4	0.8	0.46	0.61	0.78	
		3-30-67 1050		55	8.1	76	1010	7.2	1.0	50	98	800 = 2.1	0.44	0.02	1.2	0.3	0.87	1.0	1.4	
		5-24-67 0700		71	5.8	66	4430	7.8	0.7	40	112	800 = 2.4	0.30	0.03	0.5	1.0	0.69	0.98	1.2	
		8-22-67 0945		72	5.8	69	17200	7.6	1.3		36		0.09	0.02	0.1	0.9	0.35	0.51	0.66	
ALAMEDA CREEK NEAR NILES (71)	E51150.00	11-16-66 1245		60	9.7	97	828	7.9		10	20		0.03	0.01	0.8	0.0	1.5	1.5	1.6	
		1-26-67 0700		655	8.1	73	304	7.6		390	616		0.21	0.00	1.1	1.0	1.0	1.5	1.8	
		3-29-67 1235		100	53	11.0	101	8.3		20	25		0.22	0.02	0.9	0.3	1.8	1.8	4.8	
		5-9-67 0910		87	9.1	95	838	8.7		5	22	800 = 2.1	0.08		1.1	0.6	2.1	2.3	2.2	
		7-5-67 1153		8.4	77	8.9	106	8.3		10			0.04	0.04	1.1	0.1	4.2	6.3	10.0	
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	9-7-67 1015		23	70	8.6	96	8.1		15			0.03	0.01	1.6	0.6	2.1	2.2	2.2	
		11-30-66 0815		1320	56	9.9	91	250	7.6	25	62		0.21	0.02	0.9	0.6	0.50	0.61	0.65	
		1-20-67 0755		2890	54	10.2	95	185	7.8	105	124		0.01	0.06	0.3	0.4	0.33	0.48	0.56	
		3-30-67 0715		2470	52	10.4	94	237	7.3	35	54		0.02	0.01	0.5	0.2	0.30	0.31	0.42	
		5-31-67 0840		550	66	9.1	97	310	7.9	5	12		0.04	0.01	0.5	0.2	1.1	1.8	1.8	
		7-5-67 0750		268	75	1.2	84	313	8.3	30			0.03	0.01	0.4	0.2	0.3	0.4	0.3	
		9-7-67 0645		223	74	8.3	96	253	8.1	5			0.09	0.00	0.1	0.2	0.14	0.2	0.2	

*Lab Turbidity is given in parts per million of silica.

Pesticides in Surface Water and Sediment

Abbreviations used in the following table include:

- BHC - Benzene hexachloride
- ppDDD - Para para isomer of dichloro diphenyl dichloroethane
- ppDDE - Para para isomer of dichloro diphenyl ethane
- DDT - Dichloro diphenyl trichloroethane
- ppDDT - Para para isomer of dichloro diphenyl trichloroethane

Where two pesticides are reported together with a slash mark separating them (ppDDE/Dieldrin, Simazine/Atrazine, etc.), the reported concentration is an undifferentiated total of the two. Either of the two pesticides could make up the entire total.

TABLE D-7
PESTICIDES IN SURFACE WATERS AND SEDIMENTS
CENTRAL COASTAL AREA

Station	Station Number	Date and Time Sampled PST	Discharge in cfs	Specific Conductance (microhm/cm at 25°C)	pH	End Use	Pesticides in Water parts per trillion	Pesticides in Sediment parts per billion or higher as DDT
SAN JOAQUIN RIVER BY ANTIOCH	840-111-1	11-20-66 1100		2570	7.6	BHC like	= 6	BHC like = 22 Complex chlorinated compounds as DDT = 93
		11-16-66 0940		1370	7.6	BHC like	= 6	BHC like = 18 Complex chlorinated compounds as DDT = 111
		10-14-66 1045		263	7.3	No chlorinated pesticides detected		BHC like = 25 Complex chlorinated compounds as DDT = 150
		1-24-67 1135		321	7.3	BHC like Unknown as DDT	= 2 = 4	BHC like = 42 Dieldrin/ppDDE = 8.5 ppDDD = 11
		2-23-67 1019		372	6.9	Complex chlorinated compounds as DDT	= 22	Complex chlorinated compounds as DDT = 210
		3-30-67 1420		408	7.0	BHC like Chlordane like	= 12 = 12	Chlordane = 53000
		4-24-67 1430		289	6.9	Unknown as DDT	= 66	BHC like = 13 Complex chlorinated compounds as DDT = 100
		5-24-67 1245		140	6.0	Unknown as DDT	= 6	BHC = 28 Complex chlorinated compounds as DDT = 110
		6-21-67 1200		142	7.6	Unknown as DDT Unknown as DDT Dethal like ppDDD	= 18 = 14 = 17 = 7	BHC like = 32 ppDDT = 12 Complex chlorinated compounds as DDT = 296
		8-21-67 1220		443	7.6	Complex chlorinated compounds as DDT	= 106	

TABLE D-7
PESTICIDES IN SURFACE WATER AND SEDIMENT
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
SAN LORENZO RIVER AT BIG TREES (75)	D01200.00	11-15-66 1100	36	346	7.9 8.1	BHC like = 15	Complex chlorinated compounds as DDT = 24
		1-18-67 1120	36	387	8.0 8.4	No chlorinated pesticides detected	No chlorinated pesticides detected
		5-3-67 0800	288	315	7.7 8.2	No chlorinated pesticides detected	No chlorinated pesticides detected
MONTEREY BAY AT SANTA CRUZ (120)	D0661.52	11-15-66 0715			8.2	No chlorinated pesticides detected	
		1-18-67 0830		50300	8.2 8.1	No chlorinated pesticides detected	
		3-14-67 0800			8.1	Unknown as DDT = 3	
		5-3-67 0605			8.5	No chlorinated pesticides detected	
PAJARO RIVER AT CHITTENDEN (77)	D11250.00	11-30-66 1010	1.8	1330	7.8 8.5	Simazine/Atrazine = 10	Toxaphene like = 12
		1-12-67 0810	1.6	1490	7.9 8.3	Complex chlorinated compounds as DDT = 24	No chlorinated pesticides detected
		3-9-67 1015	78	994	7.8 8.4	Complex chlorinated compounds as DDT = 54	ppDDE/Dieldrin = 1.0 ppDDD = 1.4 ppDDT = 1.3
		5-18-67 1020	150	743	8.0 7.8	Toxaphene like = 16 ppDDT = 6	Unknown as DDT = 7.0
		11-30-66 0910	1.5	1140	7.4 7.9	Dieldrin = 135 ppDDT = 145 Complex chlorinated compounds as DDT = 2350	Dieldrin = 1.7 ppDDD = 3.7 ppDDT = 2.8
SALINAS RIVER NEAR SPRECKELS (43)	D21220.00	1-12-67 0658	160	917	7.5 8.5	Dieldrin = 5 ppDDT = 10	Dieldrin = 1.0 ppDDD = 2.0 ppDDT = 1.0 ppDDE = 1.0
		3-9-67 0830	305	838	7.2 8.5	No chlorinated pesticides detected	ppDDE/Dieldrin = 7.5 ppDDD = 8.0 ppDDT = 4.7 Complex chlorinated compounds as DDT = 53
		5-18-67 0730	455	740	8.3 8.3	No chlorinated pesticides detected	No chlorinated pesticides detected
		10-19-66 1040		50100	8.0	BHC like = 5	Toxaphene = 21
		11-17-66 1030		49100	8.2	No chlorinated pesticides detected	Toxaphene like = 22
SAN FRANCISCO BAY AT SAN MATEO BRIDGE	BE6635.33	12-16-66 1030		40800	8.1	Unknown as DDT = 9	Complex chlorinated compounds as DDT = 8.0
		1-27-67 1005		38200	8.2	BHC like = 4	Complex chlorinated compounds as DDT = 64
		2-24-67 1015		30000	8.0	BHC like = 7	Complex chlorinated compounds as DDT = 150
		3-29-67 1230		34600	7.2	BHC like = 18 Heptachlor like = 8 Dieldrin = 3 ppDDD = 3	Complex chlorinated compounds as DDT = 75

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.

TABLE D-7
PESTICIDES IN SURFACE WATER AND SEDIMENT
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled PST	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
SAN FRANCISCO BAY AT SAN MATEO BRIDGE (CONT.)	BOG85.33	4-27-67 1235		30000	<u>8.2</u>	Unknown as DDT = 16	BHC like = 1.0 Complex chlorinated compounds as DDT = 16
		5-26-67 0600		29700	<u>8.2</u>	Complex chlorinated compounds as DDT = 96	Complex chlorinated compounds as DDT = 35
		6-22-67 1110		35400	<u>6.3</u>	BHC = 10	Complex chlorinated compounds as DDT = 165
SAN FRANCISCO BAY AT COVOTE POINT	BOEH75.27	12-14-66 2000				No chlorinated pesticides detected	No chlorinated pesticides detected
		1-25-67 1545				BHC like = 4	Complex chlorinated compounds as DDT = 7.2
		2-22-67 1400				BHC like = 12	
		3-29-67 0800				BHC like = 26 Heptachlor like = 7 Dieldrin = 3	No chlorinated pesticides detected
		4-27-67 0800				BHC = 9 Unknown as DDT = 12	No chlorinated pesticides detected
		5-25-67 1145				No chlorinated pesticides detected	No chlorinated pesticides detected
		6-22-67 0730				No chlorinated pesticides detected	Complex chlorinated compounds as DDT = 61
		10-19-66 0745		49300	<u>7.2</u>	BHC like = 5	
		11-17-66 0715		47200	<u>7.2</u>	No chlorinated pesticides detected	
SAN FRANCISCO BAY AT TREASURE ISLAND	BOGH59.55	12-15-66 0750		33400	<u>8.4</u>	BHC like = 3	
		1-27-67 0600		33400	<u>6.8</u>	BHC = 4	
		2-24-67 0602		32800	<u>6.8</u>	BHC like = 3	
		3-29-67 0820		36700	<u>8.2</u>	BHC like = 4 Complex chlorinated compounds as DDT = 49	
		4-27-67 0720		32600	<u>8.2</u>	No chlorinated pesticides detected	
		5-26-67 0900		37000	<u>8.0</u>	Unknown as DDT = 3	
		6-22-67 0645		33600	<u>8.0</u>	Unknown as DDT = 10	
		10-19-66 0942		49600	<u>8.0</u>	No chlorinated pesticides detected	
		11-17-66 0830		49000	<u>8.2</u>	No chlorinated pesticides detected	
		12-15-66 0915		37900	<u>8.3</u>	No chlorinated pesticides detected	
SAN FRANCISCO BAY AT PORT POINT	BOG147.72	1-27-67 0720		39100	<u>7.4</u>	BHC like = 4	
		2-23-67 0559		43300	<u>8.1</u>	No chlorinated pesticides detected	

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.

TABLE D-7
PESTICIDES IN SURFACE WATER AND SEDIMENT
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Specific conductance (microhmhos at 25°C)	pH Field Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
SAN FRANCISCO BAY AT FORT POINT (CONT.)	EDGJ47.72	3-29-67 1000		37000	<u>7.2</u>	BHC like = 5 Complex chlorinated compounds as DDT = 40	
		4-27-67 0900		37300	<u>8.2</u>	No chlorinated pesticides detected	
		5-26-67 0930		36700	<u>8.2</u>	Unknown as DDT = 3	
		6-22-67 0830		38200	<u>6.8</u>	No chlorinated pesticides detected	
SAN PABLO BAY AT POINT SAN PABLO	EDHJ74.01	10-20-66 0750		46100	<u>6.8</u>	Unknown as DDT = 4	BHC = 1.0 Toxaphene = 64
		11-17-66 1200		40400	<u>8.0</u>	No chlorinated pesticides detected	BHC like = 1.6 Toxaphene like = 104
		12-14-66 0930		18100	<u>7.9</u>	BHC like = 2 Dieldrin = 3	BHC like = 4.0 ppDDT = 15 Toxaphene like = 150
		1-26-67 0815		21800	<u>7.8</u>	BHC like = 18 Kelthane like = 10	Complex chlorinated compounds as DDT = 137
		2-24-67 0830		25700	<u>6.8</u>	BHC like = 4	Complex chlorinated compounds as DDT = 85
		3-30-67 0945		12200	<u>7.2</u>	BHC like = 7 Complex chlorinated compounds as DDT = 42	Complex chlorinated compounds as DDT = 133
		4-26-67 0900		10500	<u>6.8</u>	BHC = 7 Unknown as DDT = 5	Complex chlorinated compounds as DDT = 45
		5-24-67 0730		15100	<u>7.7</u>	No chlorinated pesticides detected	Complex chlorinated compounds as DDT = 91
		6-21-67 0830		17000	<u>6.8</u>	Unknown as DDT = 19 Unknown as DDT = 7 ppDDD = 4	Complex chlorinated compounds as DDT = 400
		10-20-66 0920		23200	<u>6.8</u>	Simazine like = 5 Unknown as DDT = 10	BHC = 6.0 Toxaphene = 76
		11-16-66 1140		18000	<u>7.0</u>	No chlorinated pesticides detected	BHC like = 4.0 Toxaphene = 100
		12-15-66 1143		368	<u>7.3</u>	Dieldrin = 3	BHC = 6.4 Complex chlorinated compounds as DDT = 68
		1-26-67 1015		558	<u>7.3</u>	BHC like = 10	BHC = 8.2 ppDDE/Dieldrin = 4.8 ppDDD = 9.6
		2-23-67 0830		3740	<u>8.0</u>	Unknown as DDT = 4	BHC = 5.6 Toxaphene like = 62
SUISUN BAY AT ARMY POINT	EDJG30.19	3-30-67 1225		467	<u>7.2</u>	BHC like = 9 Complex chlorinated compounds as DDT = 55	BHC = 8.0 Toxaphene = 21
		4-26-67 1100		424	<u>7.5</u>	No chlorinated pesticides detected	BHC like = 3.0 Toxaphene like = 19
		5-24-67 1015		344	<u>7.7</u>	2 Unknowns as DDT = 6	Complex chlorinated compounds as DDT = 172

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.

TABLE D-7
PESTICIDES IN SURFACE WATER AND SEDIMENT
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled PST	Discharge in cfs	Specific conductance (micrograms at 25°C)	pH Field Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
SUISUN BAY AT ARMY POINT (CONT.)	BNJG30.19	6-21-67 0935		358	6.3	BHC like = 4 Unknown as DDT = 4 Unknown as DDT = 6 ppDDD = 4	Complex chlorinated compounds as DDT = 203
		8-21-67 1040		13000	7.8	BHC = 14 Kelthane = 11 Dieldrin = 6 Unknown as DDT = 7 ppDDT = 5	
		11-16-66 0750		27200	7.5 7.6	BHC like = 5	Toxaphene like = 97
		1-27-67 0850		407	7.8 7.7	BHC = 12	Complex chlorinated compounds as DDT = 250
NAPA RIVER AT DUTTON LANDING (72a)	E31100.50	3-30-67 1050		1010	7.2 5.1	3 Unknowns as DDT = 195	Complex chlorinated compounds as DDT = 30
		5-24-67 0700		4430	7.5 7.8	BHC like = 4	Unknown as DDT = 6.0 Complex chlorinated compounds as DDT = 16
		1-26-67 0700		655	7.6 5.1	BHC like = 12 ppDDD = 3	ppDDE = 1.7 ppDDD = 2.3 ppDDT = 3.4
		3-29-67 1235		100	8.3 5.3	BHC like = 3	ppDDE = 1.3 ppDDD = 1.5 ppDDT = 2.3
ALAMEDA CREEK NEAR NILES (73)	E51150.00	5-9-67 0910		87	8.7 5.0	BHC = 12	ppDDD = 2.0 ppDDT = 1.0
		11-30-66 0815		1320	7.6 5.4	Sinazine/Atrazine = 10	No chlorinated pesticides detected
		1-20-67 0755		2890	7.8 5.2	BHC like = 4	No chlorinated pesticides detected
		3-30-67 0715		2470	7.3 5.3	BHC like = 3	No chlorinated pesticides detected
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	5-31-67 0840		550	7.9 7.9	3 Unknowns as DDT = 13	No chlorinated pesticides detected

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.

Appendix E

GROUND WATER QUALITY

INTRODUCTION

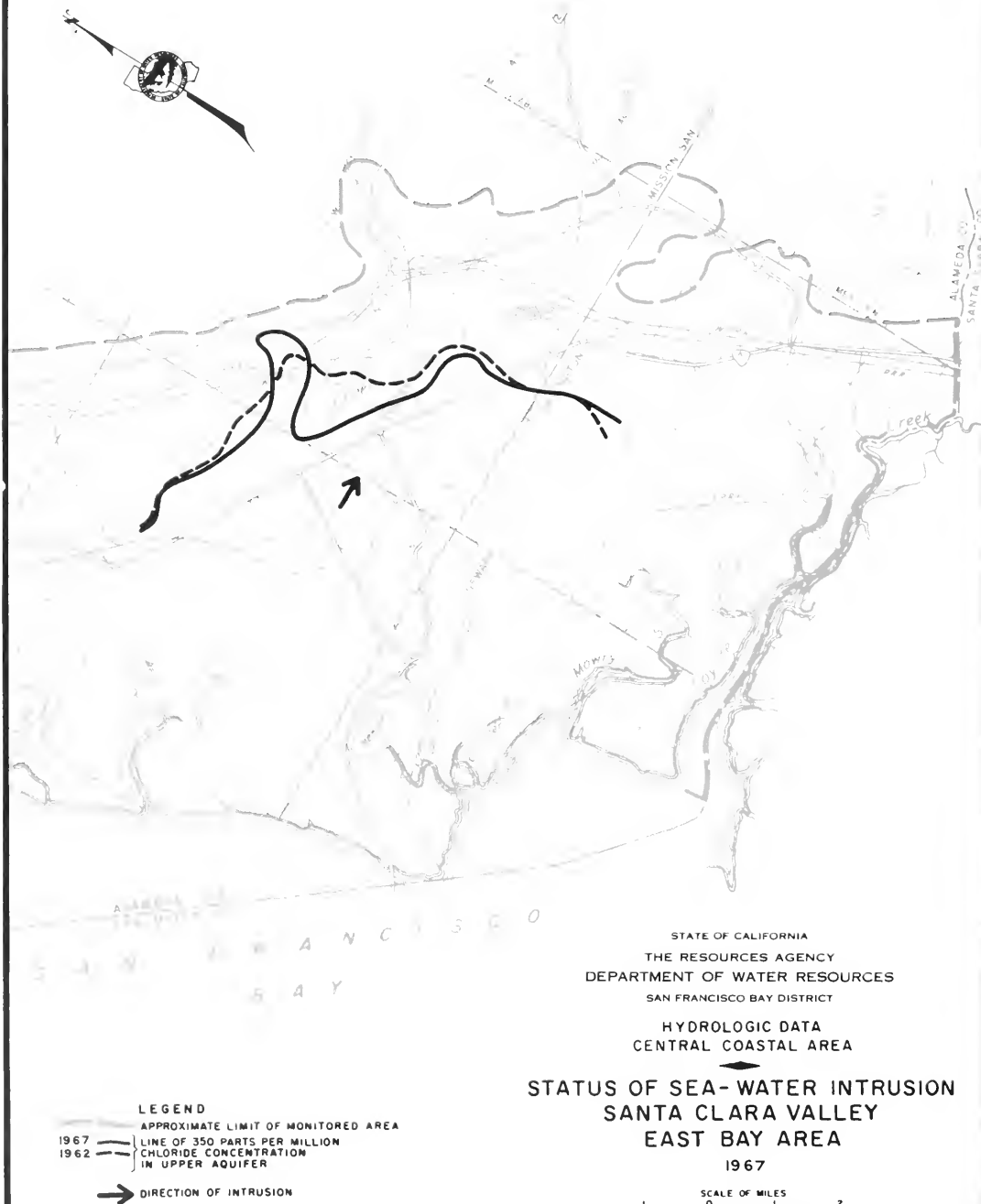
Ground Water quality data collected during the period from October 1, 1966, through September 30, 1967, are presented in this appendix. The data were collected from a number of major ground water sources in the Central Coastal Area in cooperation with other state, local, and federal agencies. During the 1967 water year, 390 wells were sampled in 18 ground water basins and subbasins.

Some temperature measurements and comments on sampling conditions are available in the files of the Department.

Laboratory analyses of ground water were performed in accordance with "Standard Methods for the Examination of Water and Waste Water", 12th Edition, published by American Public Health Association, Inc., in 1965.

The region and basin, and the state well numbering system are described in Appendix C, "Ground Water Measurement".

Total hardness (TH) represents the sum of the concentrations of calcium and magnesium ions expressed as milligrams per liter of calcium carbonate. Noncarbonate hardness (NCH) represents any excess of total hardness over the total alkalinity. The lower number representing total dissolved solids (TDS) is a summation of constituents and the upper number is the result of a gravimetric analysis. Specific electrical conductance (EC) of a solution is an expression of the reciprocal ohms per centimeter multiplied by 100,000. The value is determined at 25° C, or corrected to this temperature.



MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

TABLE E-1

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP F/D	PH F/D	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS F H SI02 SUM				TH NCH	
			FC LAB FLD	CA	MG	NA K	CO3 HC03	SO4 CL	NO3	F	H	SI02	SUM			
SANTA COASTAL REGION (NO. 1)																
URIAH VALLEY (1-15.00)																
15N/12W-21401 M 08/28/67 5050 1515	--	--	291	--	--	--	--	--	--	--	--	0.7	--	--	--	
16N/12W-04001 M 08/29/67 5050 0845	--	8.6	391	22	21	24	--	6.0 .20	165 2.71	--	27 .76	--	0.0	--	--	142 0
16N/12W-04001 M 08/29/67 5050 0955	--	--	430	--	--	--	--	--	--	--	--	--	0.1	--	--	--
17N/12W-28401 M 08/29/67 5050 1330	--	7.6	208	14	10	11	--	0.0	78 1.28	--	6.2 .17	--	0.0	--	--	81 17
SANTA VALLEY (1-16.00)																
12N/11W-02501 M 08/30/67 5050 1500	--	--	393	--	--	--	--	--	--	--	--	--	0.3	--	--	--
13N/11W-07001 M 08/30/67 5050 1230	--	8.6	284	18	22	9.4	--	4.0 .13	149 2.44	--	4.2 .12	--	0.2	--	--	134 6
13N/11W-14401 M 08/30/67 5050 0800	--	--	415	--	--	--	--	--	--	--	9.7 .16	--	2.8	--	--	--
13N/11W-14401 M 08/30/67 5050 1015	--	--	300	--	--	--	--	--	--	--	--	--	0.3	--	--	--
13N/11W-30401 M 08/30/67 5050 1145	--	7.4	437	36	26	12	--	0.0	189 3.10	--	11 .31	--	0.2	--	--	197 42
NIPAL NEW VALLEY (1-17.00)																
09N/08W-07001 M 08/31/67 5050 0915	--	8.6	423	2.8	2.2	144	--	7.0 .23	298 4.89	--	40 1.13	--	0.5	--	--	16 0

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE DATE TIME	LOCALITY	LAT LONG	ELEV FT	TEMP F	PH	COND CM	TDS MG/L	CL MG/L	SO ₄ MG/L	CO ₃ MG/L	HCO ₃ MG/L	F	H	SiO ₂ MG/L	MILLIGRAMS PER LITER		TH NCH
															TDS SUM	VAL	
ALEXANDER VALLEY (1-17-00) (CONT.)																	
10/02/00-2001				--	6.6	6.22	34	55	1.2	--	1.3	30.1	--	0.1	--	--	313
08/31/07	1020					1.73	4.02	0.2	0.25	0.43	4.94	--			--	--	45
11/02/00-2001				--	--	3.75	--	--	--	--	--	--	--	0.4	--	--	--
08/31/07	1020			--	7.5	2.01	1.2	4.3	1.5	0.0	6.3	--	0.2	--	--	--	64
08/31/07	3450					0.5	0.09	0.7	1.03	--	--	--			--	--	13
11/30																	
SANTA ROSA VALLEY (1-18-00)																	
05/09/00-3450				--	--	6.23	--	--	--	--	--	--	--	0.5	--	--	--
09/05/07	3450							4.7	--	--	--	--			--	--	--
06/07-1800				--	--	6.70	--	--	--	--	--	--	--	--	--	--	--
09/05/07	1800														--	--	--
06/07-1800				--	--	4.99	--	--	--	--	--	--	--	--	--	--	--
09/01/07	1800														--	--	--
07/06/00-2001				--	--	2.22	--	--	1.6	--	--	--	--	--	--	--	--
09/06/07	2001							0.7	--	--	--	--			--	--	--
07/07-1800				--	7.4	2.59	14	13	2.6	0.0	1.47	--	0.0	--	--	87	
09/06/07	1800					0.70	1.07	1.04	2.41	--	--	--	--	--	--	0	
07/07-2001				--	8.4	5.12	33	20	4.6	2.3	2.40	--	0.4	--	--	166	
09/01/07	2001					1.65	1.64	2.00	0.59	0.77	0.07	--	--	--	--	0	
1560																	
07/08/00-3450				--	7.59	--	--	7.4	--	--	--	--	--	--	--	--	--
09/01/07	3450							4.39	--	--	--	--	--	--	--	--	--
07/08/00-1800				--	--	6.32	--	--	4.2	--	--	--	0.3	--	--	--	--
09/01/07	1800							4.47	--	--	--	--			--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP	PH	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTIVE VALUE					MILLIGRAMS PER LITER					
			EC LAH FLO	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	Br	SI02	TDS SUM	
			SANTA ROSA VALLEY (1-18.00) (CONT.)														
07N/08W-30201 M 09/01/67 5050 1100	--	7.9	1100	56 3.29	58 4.77	54 2.52	--	0.0	216 3.54	--	145 4.09	--	--	0.1	--	--	405 228
07N/09W-09F01 M 09/01/67 5050 0945	--	7.5	165	9.9 .49	6.2 .51	1.5 .70	--	0.0	60 .94	--	12 .34	--	--	0.0	--	--	50 1
07N/09W-30301 M 09/01/67 5050 1130	--	--	366	--	--	36 1.57	--	--	--	--	--	--	--	0.0	--	--	--
09N/10W-01C01 M 09/04/67 5050 1100	--	8.5	215	14 .70	9.7 .80	1.4 .74	--	4.0 .13	112 1.84	--	6.4 .14	--	--	0.0	--	--	75 0

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLER	PH LAH FLD	TEMP FLD	EC LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	TH NCH
SAN FRANCISCO BAY REGION (NO. 2)																	
Petaluma Valley (2-1.00)																	
03N/06W-01001 M 09/06/67 5050	--	--	1350	--	--	214 9.44	--	--	--	--	141 3.98	--	--	--	--	--	--
03N/06W-03001 M 09/06/67 5050	--	--	4190	--	--	350 15.23	--	--	--	--	1060 29.89	--	--	0.2	--	--	--
03N/06W-11001 M 09/06/67 5050	--	--	1420	--	--	312 13.57	--	--	--	--	298 8.40	--	--	--	--	--	--
03N/06W-18001 M 09/06/67 5050	--	8.7	598	30 1.50	42 3.45	26 1.14	--	10 .33	161 2.64	--	44 1.24	--	--	0.0	--	--	248 100
03N/07W-14501 M 09/06/67 5050	--	--	666	--	--	--	--	--	--	--	65 1.83	--	--	--	--	--	--
04N/06W-07001 M 09/06/67 5050	--	8.9	1020	62 3.09	67 5.51	74 3.34	--	51 1.70	489 8.02	--	40 1.13	--	--	1.9	--	--	429 0
04N/06W-07002 M 09/06/67 5050	--	--	3950	--	--	684 29.93	--	--	--	--	844 23.80	--	--	2.6	--	--	--
04N/06W-21001 M 09/06/67 5050	--	--	1210	--	--	214 9.31	--	--	--	--	176 4.96	--	--	1.1	--	--	--
04N/06W-33001 M 09/06/67 5050	--	8.4	6500	237 11.83	304 25.32	525 22.84	--	8.0 .27	282 4.62	--	2090 58.94	--	--	0.2	--	--	1860 1617
05N/06W-30001 M 09/06/67 5050	--	--	733	--	--	--	--	--	--	--	48 1.35	--	--	0.2	--	--	--
05N/07W-20003 M 09/06/67 5050	--	8.7	1430	145 7.24	23 1.89	89 3.87	--	26 .87	167 2.74	--	261 7.36	--	--	0.0	--	--	459 279

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLO	PH FLO	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS				
			EC LAB	CA	MG	NA	K	CO3	HCO3	SO4	CL	NH3	F	B	SI02	SUM	TH
PETALUMA VALLEY (2-1.00) (CONT.)																	
05N/07W-28E01 M 09/00/67 5050	--	--	713	--	--	65	--	--	--	--	--	--	--	--	--	--	--
						2.83											
05N/07W-34E02 M 09/00/67 5050	--	9.2	889	4.7	11	188	--	32	330	--	68	--	--	0.1	--	--	56
				23	90	8.18		1.07	5.41		1.92						0
NAPA VALLEY (2-2.01)																	
03N/03W-18E01 M 09/04/67 5050 1515	--	--	1140	--	--	87	--	--	--	--	145	--	--	0.1	--	--	373
						3.74					4.09						373
03N/03W-18E02 M 09/04/67 5050 1530	--	8.7	1280	71	64	104	--	38	274	--	55	--	--	0.2	--	--	442
				3.54	5.26	4.74		1.27	4.49		1.55						154
04N/04W-05E01 M 09/11/67 5050	--	8.2	303	7.1	6.9	45	--	0.0	84	--	28	25	25	0.1	--	--	46
				35	57	1.96			1.38		.79	.40					0
04N/04W-05E02 M 09/11/67 5050 0830	--	--	800	--	--	--	--	--	--	--	94	--	--	--	--	--	--
											2.65						--
04N/04W-12E01 M 09/08/67 5050 1400	--	--	1070	--	--	--	--	--	--	--	144	--	--	--	--	--	--
											4.06						--
04N/04W-13E01 M 09/08/67 5050 1430	--	8.2	1920	130	41	211	--	0.0	216	--	296	26	26	0.3	--	--	496
				6.49	3.37	9.18			3.54		8.35	.42					319
04N/04W-14E02 M 09/08/67 5050 1100	--	--	1660	--	--	--	--	--	--	--	332	--	--	--	--	--	--
											9.36						--
05N/04W-09E02 M 09/11/67 5050 1015	--	--	519	--	--	--	--	--	--	--	42	--	--	--	--	--	--
											1.18						--
05N/04W-11E03 M 09/11/67 5050 1330	--	--	717	--	--	--	--	--	--	--	107	--	--	--	--	--	--
											3.02						--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLO	PH LAB FLO	MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS				TH NCH
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	
NAPA VALLEY (2-2.01) (CONT.)															
05N/04W-14C01 M 09/11/67 5050 1230	--	8.5	246	13	12	19	--	4.0	96	--	18	--	0.1	--	80
				.65	.99	.83		.13	1.57	.51					0
05N/04W-15E01 M 09/11/67 5050 1300	--	--	446	--	--	--	--	--	--	38	--	1.07	--	0.1	--
05N/04W-20R02 M 09/11/67 5050 0945	--	--	754	--	--	--	--	--	--	109	--	3.07	--	--	--
05N/04W-21P02 M 09/11/67 5050 0915	--	8.6	2420	31	12	470	--	44	354	--	450	--	0.6	--	125
				1.55	.99	20.45		1.47	5.81	12.69					0
05N/04W-29H01 M 09/11/67 5050 1130	--	--	410	--	--	--	--	--	--	30	--	.85	--	0.0	--
06N/04W-06P01 M 09/11/67 5050 1500	--	--	378	--	--	--	--	--	--	14	--	.39	--	0.1	--
06N/04W-15U01 M 09/08/67 5050 1300	--	8.3	259	11	6.7	33	--	0.0	128	--	7.8	1.9	0.2	--	55
				.55	.55	1.44			2.10	.22	.03				0
09N/07W-25U01 M 09/11/67 5050 1400	--	8.7	992	12	4.4	177	--	22	142	--	185	--	10.0	--	48
				.60	.36	7.70		.73	2.33	5.22					0
SONOMA VALLEY (2-2.02)															
04N/05W-14D02 M 08/28/67 5050	--	8.8	1000	12	9.2	191	--	24	252	--	121	--	0.2	--	68
				.60	.76	8.31		.80	4.13	3.41					0
04N/05W-32B01 M 08/28/67 5050	--	--	3190	--	--	--	--	--	--	699	19	--	2.6	--	--
											19.71	.31			
05N/05W-18D02 M 08/28/67 5050	--	8.7	525	25	22	44	--	10	145	--	38	45	0.2	--	152
				1.25	1.81	1.91		.33	2.38	1.07	.72				17

TABLE E-1 MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP FLO	PH FLO	EC FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE							MILLIGRAMS PER LITER				TH NCH
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	S102	TDS SUM			
SONOMA VALLEY (2-2.02) (CONT.)																			
05N/05W-20H01 M 08/27/67 5050	--	--	472	--	--	191	--	--	--	--	48	--	--	4.1	--	--	--	--	--
						4.31					1.35								
05N/06W-12F01 M 08/28/67 5050	--	--	432	--	--	--	--	--	--	--	25	--	--	0.5	--	--	--	--	--
											.71								
05N/06W-25P01 M 08/28/67 5050	--	--	542	--	--	--	--	--	--	--	11	--	--	1.4	--	--	--	--	--
											.31								
06N/06W-23H02 M 08/28/67 5050	--	4.5	522	13	7.9	71	--	6.0	128	--	79	--	--	1.6	--	--	65	0	
				.65	.65	3.04		.20	2.10		2.23								
06N/06W-24F01 M 08/28/67 5050	--	--	439	--	--	--	--	--	--	--	53	--	--	1.8	--	--	--	--	--
											1.49								
SOLISITA - FALGUTLEU (2-3.00)																			
03N/01F-04H01 M 08/16/67 5050 1315	--	--	1460	--	--	--	--	--	--	--	248	--	--	0.6	--	--	--	--	--
											6.99								
03N/01F-21U01 M 08/16/67 5050 1300	--	--	1840	--	--	--	--	--	--	--	166	--	--	7.9	--	--	--	--	--
											4.68								
03N/01F-22F02 M 08/16/67 5050 1245	--	9.1	1930	34	40	324	--	51	406	--	298	--	--	3.6	--	--	252	0	
				1.70	3.29	14.04		1.70	6.66		4.40								
04N/01F-04H01 M 08/16/67 5050 1315	--	8.7	1040	43	28	122	--	15	198	--	160	--	--	0.7	--	--	222	33	
				2.15	2.30	5.31		.53	3.25		4.51								
04N/01W-33A01 M 08/16/67 5050 1500	--	--	3440	--	--	--	--	--	--	--	824	--	--	16.0	--	--	--	--	--
											23.24								
04N/02W-04H01 M 08/17/67 5050 1100	--	--	1490	--	--	--	--	--	--	--	62	--	--	1.3	--	--	--	--	--
											1.75								

TABLE E-1 MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLD	PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	FM NCH
				CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SI02		
SUISUN - FAIRFIELD (2-3.00) (CONT.)																	
04N/02W-05Q02 M 08/17/67 5050 1130	--	--	956	--	--	--	--	--	--	--	91	--	--	0.5	--	--	--
04N/02W-09H01 M 08/17/67 5050 1230	--	--	1780	--	--	--	--	--	--	--	985	--	--	5.0	--	--	--
04N/02W-18M01 M 08/16/67 5050 1200	--	--	1130	--	--	--	--	--	--	--	98	--	--	0.6	--	--	--
04N/03W-13G02 M 08/17/67 5050 1130	--	8.3	978	57	33	97	--	0.0	291	--	75	--	--	0.8	--	--	278
05N/01W-25R01 M 08/17/67 5050 0830	--	8.1	1720	112	32	172	--	0.0	278	--	356	--	--	1.0	--	--	411
05N/02W-21P03 M 08/17/67 5050 1015	--	--	1110	--	--	--	--	--	--	--	72	--	--	1.0	--	--	183
05N/02W-34N01 M 08/17/67 5050 1045	--	--	1740	--	--	--	--	--	--	--	100	--	--	2.0	--	--	--
05N/02W-34P04 M 08/17/67 5050 1030	--	--	1160	--	--	--	--	--	--	--	27	--	--	1.2	--	--	--
PITTSBURG PLAIN (2-4.00)																	
02N/01F-07R02 M 08/23/67 5050 0915	--	--	3480	--	--	--	--	--	--	--	670	--	--	--	--	--	--
02N/02E-20A01 M 08/23/67 5050 0830	--	--	1540	--	--	--	--	--	--	--	225	46	--	--	--	--	--
CLAYTON VALLEY (2-5.00)																	
01N/01W-04A01 M 08/21/67 5050 0800	--	8.2	759	67	40	32	--	0.0	336	--	26	--	--	0.4	--	--	331

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STAFF WELL NUMBER DATE TIME	TEMP FLO	PH LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	D	SI02	TDS SJM
CLAYTON VALLEY (2-5.00) (CONT.)															
02N/01W-30J01 M 08/18/67 5050 1016	--	8.2	1100	84	58	62	--	0.0	4.39	--	55	--	0.5	--	448
				4.19	4.77	2.70			7.20		1.55				88
02N/01W-30K01 M 08/18/67 5050 1030	--	--	1380	--	--	--	--	--	--	92	--	--	1.1	--	--
										2.59					--
02N/02W-13P01 M 08/21/67 5050 0905	--	7.8	1030	42	35	114	--	0.0	259	--	140	--	0.4	--	248
				2.10	2.88	4.96			4.25		3.95				36
02N/02W-26P01 M 08/21/67 5050 0845	--	8.2	949	53	43	92	--	0.0	357	--	132	--	1.0	--	310
				2.64	3.53	4.00			5.85		3.72				18
02N/02W-36J01 M 08/14/67 5050 0910	--	--	1270	--	--	--	--	--	--	152	36	--	--	--	--
										4.29	.58				--
YONACIO VALLEY (2-6.00)															
01N/01W-07K01 M 08/14/67 5050 1230	--	8.5	2270	119	67	300	--	8.0	430	--	166	--	1.0	--	571
				5.94	5.51	13.05		.27	7.05		4.68				205
01N/01W-24K01 M 08/14/67 5050 1300	--	8.2	2140	124	68	241	--	0.0	538	--	274	--	1.1	--	590
				6.19	5.59	10.58			8.82		7.73				149
01N/02W-11K01 M 08/14/67 5050 1345	--	8.3	1140	80	33	132	--	0.0	493	--	125	--	1.4	--	335
				3.99	2.71	5.74			8.09		3.53				0
01N/02W-13P01 M 08/14/67 5050 1315	--	8.1	1360	74	67	114	--	0.0	493	--	105	--	1.4	--	460
				3.69	5.51	4.96			8.09		2.96				56
02N/02W-36P01 M 08/14/67 5050 0815	--	--	3260	--	--	--	--	--	--	448	200	--	1.3	--	--
										9.32	13.20	3.22			--
SANTA CLARA VALLEY - EAST HAY (2-9.01)															
01S/04W-04K01 M 07/20/67 5050 1230	--	8.5	1340	89	61	95	--	12	330	--	180	--	0.1	--	473
				4.44	5.01	4.13		.40	5.41		5.08				183

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLE	TEMP FLD	PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTIVE VALUE				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				
				CA	MG	NA	CL	CO3	HCO3	SO4	CL	F	M	P	5102	TDS
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																
015/04w-14401 M 07/20/67 5050 1000	--	8.2	621	20	15	40	--	0.0	156	--	42	--	0.1	--	111	0
				1.00	1.23	3.44		2.59			2.31					
025/03w-10401 M 07/21/67 5050 1525	--	8.2	3120	224	122	174	--	0.0	209	--	620	--	0.2	--	1060	889
				11.14	10.03	7.57		3.83			17.44					
025/03w-21401 M 07/21/67 5050	--	8.0	5090	427	145	275	--	0.0	255	--	1440	--	0.3	--	1430	1622
				21.31	15.21	12.01		4.16			40.61					
025/03w-30480 M 07/21/67 5050 1230	--	8.3	840	57	18	97	--	0.0	279	--	109	--	0.4	--	216	0
				2.04	1.48	4.22		4.56			3.07					
025/03w-30002 M 07/21/67 5050 1210	--	8.1	3480	255	103	262	--	0.0	146	--	933	--	0.3	--	1060	908
				12.77	8.47	11.40		3.05			26.31					
025/03w-33401 M 07/21/67 5050 1400	--	8.5	649	35	18	74	--	10	243	--	28	--	0.4	--	163	0
				1.75	1.48	3.44		.33	4.81		.79					
025/03w-14402 M 07/21/67 5050 1345	--	8.3	778	65	36	45	--	0.0	341	--	36	--	0.3	--	310	31
				3.24	2.96	1.96		5.59			1.02					
025/04w-03501 M 07/21/67 5050 1115	--	8.5	799	42	18	106	--	8.0	270	--	86	--	0.4	--	179	0
				2.10	1.48	4.61		.27	4.43		2.43					
025/04w-12401 M 07/21/67 5050 1150	--	8.3	386	22	10	60	--	0.0	156	--	38	--	0.2	--	96	0
				1.10	.82	1.74		2.56			1.07					
025/04w-25401 M 07/21/67 5050 1220	--	9.0	841	52	13	116	--	19	263	--	91	--	0.5	--	183	0
				2.59	1.07	5.05		.63	4.31		2.57					
035/02w-07401 M 07/21/67 5050 1510	--	8.7	1120	120	36	75	--	8.0	409	--	78	--	0.5	--	448	99
				5.99	2.96	3.26		.27	6.71		2.20					
035/02w-19401 M 07/21/67 5050 1525	--	8.6	1240	139	37	77	--	16	383	--	123	--	0.3	--	499	159
				6.94	3.04	3.35		.53	6.28		3.47					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATION NAME DATE TIME	LAT LONG SAMPLE	PH		MINERAL CONSTITUTION IN				MILLIGRAMS PER LITER PERCENT REACTIVE VALUE					MILLIGRAMS PER LITER TDS						
		LAH FLD	FC FLD	CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	SiO ₂	SUM	TH	NCH	
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																			
035/024-1014 07/21/67 5:50 1540		--	8.1	1470		147	41	94	--	0.0	485	--	142	--	--	0.5	--	--	536 139
035/024-12012 07/21/67 5:50 1550		--	8.1	1009		46	9.2	125	--	10	250	--	83	--	--	0.6	--	--	153 0
035/034-1014 07/21/67 5:50 1445		--	8.5	1020		44	19	152	--	0.0	334	--	122	--	--	0.8	--	--	163 0
035/044-13012 07/21/67 5:50 1500		--	8.5	1420		115	65	210	--	11	535	--	136	--	--	1.4	--	--	562 25
035/044-24012 07/21/67 5:50 1530		--	8.7	2140		165	85	174	--	24	402	--	315	--	--	0.6	--	--	761 392
045/014-01012 05/16/67 5:50		--	--	1120		--	--	--	--	--	--	--	76	--	--	--	--	--	--
045/014-01012 09/16/67 5:00		--	--	444		--	--	--	--	--	--	--	60	--	--	--	--	--	--
045/014-01012 05/08/67 5:50		--	--	1150		--	--	--	--	--	--	--	94	--	--	--	--	--	--
045/014-01012 09/24/67 5:50		--	--	1270		--	--	--	--	--	--	--	157	118	--	--	--	--	--
045/014-01012 05/08/67 5:50		--	--	1140		--	--	--	--	--	--	--	4.43	1.90	--	--	--	--	--
045/014-01012 09/24/67 5:50		--	--	1270		--	--	--	--	--	--	--	153	86	--	--	--	--	--
045/014-01012 05/08/67 5:50		--	--	1410		--	--	--	--	--	--	--	4.31	1.06	--	--	--	--	--
045/014-01012 09/24/67 5:50		--	--	1410		--	--	--	--	--	--	--	4.35	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAT LONG	TEMP	PH	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER					MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
				PC	LAH	FLU	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS	TH					
				SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																					
04S/01W-17E02 M 09/18/67 5050		--	7.7	2160	212	90	91	--	--	0.0	330	--	454	--	--	0.3	--	--	899						
					10.56	7.40	3.96				5.41		12.80					629							
04S/01W-18C02 M 05/02/67 5050 1100		--	--	1340	--	--	--	--	--	--	--	--	160	--	--	--	--	--							
													4.51												
04S/01W-18C02 M 09/18/67 5050 1500		--	4.4	1170	110	50	63	--	--	8.0	345	--	113	--	--	0.2	--	--	480						
					5.49	4.11	2.74			.27	5.66		3.19					184							
04S/01W-18G01 M 09/18/67 5050		--	--	2070	--	--	--	--	--	--	--	--	420	--	--	--	--	--							
													11.84												
04S/01W-18H03 M 04/18/67 5050		--	--	1660	--	--	--	--	--	--	--	--	347	--	--	--	--	--							
													9.79												
04S/01W-18H03 M 09/18/67 5050		--	--	2320	--	--	--	--	--	--	--	--	545	--	--	--	--	--							
													15.37												
04S/01W-18M07 M 04/18/67 5050		--	--	3040	--	--	--	--	--	--	--	--	781	--	--	--	--	--							
													22.02												
04S/01W-18M07 M 09/18/67 5050		--	8.0	3150	304	130	110	--	--	0.0	251	--	798	--	--	0.3	--	--	1293						
					15.17	10.69	4.79				4.12		22.50					1088							
04S/01W-20D02 M 09/21/67 5050 1100		--	--	766	--	--	--	--	--	--	--	--	102	--	--	--	--	--							
													2.88												
04S/01W-20E01 M 04/18/67 5050		--	--	753	--	--	--	--	--	--	--	--	100	--	--	--	--	--							
													2.82												
04S/01W-20E01 M 09/18/67 5050		--	--	812	--	--	--	--	--	--	--	--	101	--	--	--	--	--							
													2.85												
04S/01W-20H02 M 04/18/67 5050		--	--	800	--	--	--	--	--	--	--	--	72	--	--	--	--	--							
													2.03												

TABLE E-1 MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP F/D	PH LAW F/D	EC LAW F/D	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
				CA	MG	NA	K	CU3	HC03	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																	
04S/01W-21F02 M 12/13/66 5050 1020	--	8.1	715	47 2.35 36	22 1.81 27	54 2.35 36	3.2 .08 1	0.0 2.51 38	153 1.14 17	55 2.99 45	106 7.6 1	2.4 .04 1	--	0.4	--	410 365	209 84
04S/01W-21F02 M 03/07/67 5050 1025	--	7.5	713	52 2.59 38	20 1.64 24	57 2.44 37	3.0 .08 1	0.0 2.57 39	157 1.52 23	73 2.43 37	86 12 2	7.6 .12 2	--	0.3	--	420 376	214 86
04S/01W-21F02 M 06/07/67 5050 1000	--	8.6	620	44 2.20 36	18 1.48 25	53 2.31 34	2.1 .05 1	9.0 .30 5	176 2.89 47	73 1.52 25	48 1.35 22	8.4 .14 2	--	0.4	--	324 342	185 26
04S/01W-21K03 M 05/09/67 5050	--	--	544	--	--	--	--	--	--	--	.76	--	--	--	--	--	--
04S/01W-21K03 M 09/26/67 5050	--	--	588	--	--	--	--	--	--	--	.35 .99	--	--	--	--	--	--
04S/01W-21P06 M 12/13/66 5050 1000	--	--	691	--	--	--	--	--	--	--	--	--	--	--	--	350	--
04S/01W-21P06 M 03/07/67 5050 0940	--	7.7	711	61 3.04 42	24 1.97 28	48 2.09 29	2.2 .06 1	0.0 4.10 58	250 1.29 18	62 1.58 22	56 .07 1	4.2 1	--	0.5	--	395 380	252 47
04S/01W-21P06 M 06/07/67 5050 0930	--	8.5	671	56 2.79 41	24 1.97 29	46 2.00 29	1.5 .04 1	9.0 .30 4	239 3.92 57	69 1.44 21	41 1.16 17	6.6 .11 2	--	0.6	--	368 371	240 29
04S/01W-21K02 M 04/18/67 5050	--	--	702	--	--	--	--	--	--	--	69 1.95	--	--	--	--	--	--
04S/01W-21K02 M 09/18/67 5050	--	8.6	842	76 3.79	29 2.38	54 2.35	-- --	14 .47	265 4.35	-- 2.06	73 --	-- --	--	0.6	--	--	309 68
04S/01W-21K04 M 05/09/67 5050	--	--	530	--	--	--	--	--	--	--	28 .79	--	--	--	--	--	--
04S/01W-21K04 M 09/20/67 5050	--	--	539	--	--	--	--	--	--	--	23 .65	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP F/D	PH F/D	EC F/D	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS SUM					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																	
045/01w-22M02 M 05/09/67 5050	--	--	1090	--	--	--	--	--	--	--	71	--	--	--	--	--	--
											2.00						
045/01w-22M02 M 09/25/67 5050	--	8.2	1070	54	21	185	--	0.0	54.7	--	68	--	--	2.1	--	--	221 0
				2.69	1.73	8.05			8.97		1.92						
045/01w-28M02 M 05/12/67 5050	--	--	755	--	--	--	--	--	--	--	42	--	--	--	--	--	--
											1.18						
045/01w-28M02 M 09/20/67 5050 1400	--	8.5	778	66	30	64	--	6.0	336	--	46	--	--	0.6	--	--	288 3
				3.29	2.47	2.95		.20	5.51		1.30						
045/01w-28C01 M 04/17/67 5050	--	--	743	--	--	--	--	--	--	--	71	--	--	--	--	--	--
											2.00						
045/01w-28C14 M 04/17/67 5050	--	--	791	--	--	--	--	--	--	--	57	--	--	--	--	--	--
											1.61						
045/01w-28C14 M 09/18/67 5050	--	8.4	640	69	24	44	--	6.0	266	--	55	--	--	0.2	--	--	271 43
				3.44	1.97	1.91		.20	4.36		1.55						
045/01w-28D04 M 05/12/67 5050	--	--	806	--	--	--	--	--	--	--	75	--	--	--	--	--	--
											2.12						
045/01w-28D04 M 09/20/67 5050 1330	--	8.5	812	70	30	45	--	17	239	--	78	--	--	0.4	--	--	298 74
				3.49	2.47	1.96		.57	3.92		2.20						
045/01w-28D09 M 04/17/67 5050	--	--	758	--	--	--	--	--	--	--	79	--	--	--	--	--	--
											2.23						
045/01w-28D09 M 09/18/67 5050	--	--	740	--	--	--	--	--	--	--	101	--	--	--	--	--	--
											2.85						
045/01w-28F05 M 04/19/67 5050	--	--	603	--	--	--	--	--	--	--	27	--	--	--	--	--	--
											.76						

MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

TABLE E-1

STATION NAME DATE TIME	WELL NUMBER LAT LONG	PC LAT LONG	FC LAT LONG	MINERAL COMPOSITIONS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTIVE VALUE				MILLIGRAMS PER LITER TDS SUM				
				CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	S102	
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																
04S/01-24015 A 09/18/67 5050		--	8.4	566	50	14	49	--	16	246	--	31	--	0.3	--	211
				2.74	1.44	2.14			53	4.03		.87				0
04S/01-24011 A 05/17/67 5050		--	--	270	--	--	--	--	--	--	--	635	--	--	--	--
												17.91				
04S/01-24011 M 09/25/67 5050		--	--	2070	--	--	--	--	--	--	--	353	53	--	--	--
												9.95	.45			
04S/01-24014 M 05/12/67 5050		--	--	4440	--	--	--	--	--	--	--	1360	--	--	--	--
												38.35				
04S/01-24012 A 09/21/67 5050 1500		--	4.0	4450	346	143	215	--	0.0	414	--	1220	--	0.7	--	1720
					14.36	14.04	9.35		9.79			34.40				1382
04S/01-24012 A 04/19/67 5050		--	--	4100	--	--	--	--	--	--	--	419	--	--	--	--
												23.10				
04S/01-24012 M 09/26/67 5050		--	4.4	2640	262	96	72	--	0.0	146	--	681	--	0.2	--	999
					12.05	7.89	3.14		2.43			14.20				878
04S/01-30003 M 04/17/67 5050		--	--	1110	--	--	--	--	--	--	--	191	--	--	--	--
												5.39				
04S/01-30004 A 09/14/67 5050		--	4.4	1440	148	40	92	--	0.0	225	--	327	--	0.2	--	534
					7.39	3.24	4.00		3.69			9.22				350
04S/01-30004 A 05/05/67 5050		--	--	1510	--	--	--	--	--	--	--	417	--	--	--	--
												4.94				
04S/01-30005 M 09/21/67 5050 1400		--	--	1440	--	--	--	--	--	--	--	388	--	--	--	--
												10.94				
04S/01-31002 A 05/05/67 5050		--	--	4520	--	--	--	--	--	--	--	1000	--	--	--	--
												24.20				

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATION WELL NUMBER DATE LAST SAMPLED TIME	TEMP F	PH	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH		
			Ca FLD	EC EAR	CO ₃	SO ₄	CL	NO ₃	F	B	SiO ₂	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F			B	SiO ₂
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																					
04S/01w-41n02.4 09/22/67 5050	--	--	3610	--	--	--	--	--	--	--	--	--	--	988 27.66	--	--	--	--	--	--	--
04S/01w-41n03.4 04/19/67 5050	--	--	1500	--	--	--	--	--	--	--	--	--	--	422 11.90	--	--	--	--	--	--	--
04S/01w-41n04.4 09/24/67 5050	--	8.2	1940	174 4.65	55 5.34	75 4.25	--	--	0.0	140 2.30	--	--	480 13.54	--	--	--	0.2	--	--	--	702 587
04S/01w-43n01.6 05/12/67 5050	--	--	1530	--	--	--	--	--	--	--	--	--	105 2.96	--	--	--	--	--	--	--	--
04S/01w-43n01.6 09/26/67 5050	--	6.7	1020	66 3.24	45 3.70	85 3.70	--	--	15 4.50	286 4.69	--	--	99 2.79	--	--	--	0.4	--	--	--	349 90
04S/01w-43n01.6 05/05/67 5050	--	--	4900	--	--	--	--	--	--	--	--	--	1440 40.61	--	--	--	--	--	--	--	--
04S/01w-43n01.6 09/22/67 5050	--	--	5100	--	--	--	--	--	--	--	--	--	1460 41.17	--	--	--	--	--	--	--	--
04S/01w-44n04.4 05/04/67 5050	--	--	1120	--	--	--	--	--	--	--	--	--	99 2.79	--	--	--	--	--	--	--	--
04S/01w-44n04.4 09/22/67 5050	--	6.5	1110	126 6.33	42 3.45	77 4.22	--	--	0.0	454 7.45	--	--	150 4.23	--	--	--	0.1	--	--	--	492 120
04S/01w-44n04.4 04/17/67 5050	--	--	1050	--	--	--	--	--	--	--	--	--	113 3.19	--	--	--	--	--	--	--	--
04S/01w-44n04.4 09/18/67 5050	--	6.5	606	44 2.45	19 1.46	74 3.33	--	--	14 4.7	319 5.23	--	--	41 1.16	--	--	--	0.0	--	--	--	196 0
04S/01w-45n04.6 04/17/67 5050	--	--	744	--	--	--	--	--	--	--	--	--	44 1.24	--	--	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP F	PH	EC µM	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	N03	F	H	S102	TDS SUM	TH NCH
				SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)													
045/02w-110002 M 09/27/67 5050	--	8.0	2830	236 11.74	128 10.52	157 7.26	--	0.0	401 6.58	--	529 14.92	--	--	0.3	--	--	1116 788
045/02w-110003 M 04/18/67 5050	--	--	2230	--	--	--	--	--	--	--	322 9.08	--	--	--	--	--	--
045/02w-110003 M 09/19/67 5050	--	--	2520	--	--	--	--	--	--	--	349 9.84	--	--	--	--	--	--
045/02w-110002 M 04/18/67 5050	--	--	421	--	--	--	--	--	--	--	48 1.35	--	--	--	--	--	--
045/02w-110002 M 09/18/67 5050	--	--	406	--	--	--	--	--	--	--	39 1.10	15 .24	--	--	--	--	--
045/02w-110001 M 05/07/67 5050	--	--	1800	--	--	--	--	--	--	--	136 3.84	--	--	--	--	--	--
045/02w-110001 M 09/26/67 5050	--	--	1640	--	--	--	--	--	--	--	123 3.47	406 6.54	--	--	--	--	--
045/02w-110010 M 05/02/67 5050	--	--	712	--	--	--	--	--	--	--	42 1.18	--	--	--	--	--	--
045/02w-110010 M 09/26/67 5050	--	8.5	632	79 3.94	21 1.73	42 1.83	--	8.0 .27	281 4.61	--	43 1.21	--	--	0.1	--	--	283 39
045/02w-110012 M 09/26/67 5050	--	--	980	--	--	--	--	--	--	--	62 1.75	50 .81	--	--	--	--	--
045/02w-110012 M 05/03/67 5050	--	--	1520	--	--	--	--	--	--	--	117 3.30	--	--	--	--	--	--
045/02w-110012 M 09/26/67 5050	--	--	1700	--	--	--	--	--	--	--	128 3.61	208 3.35	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP LAH FLO	PH LAH FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS				
			EC LAH FLO	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	SUM
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																
04S/02#-12C01 M 04/17/67 5050	--	--	590	--	--	--	--	--	--	34 .96	--	--	--	--	--	--
04S/02#-12C01 M 09/18/67 5050	--	--	629	--	--	--	--	--	--	53 1.49	--	--	--	--	--	--
04S/02#-12C04 M 05/03/67 5050	--	--	1000	--	--	--	--	--	--	67 1.89	--	--	--	--	--	--
04S/02#-12C04 M 09/25/67 5050	--	--	951	--	--	--	--	--	--	60 1.69	68 1.09	--	--	--	--	--
04S/02#-12C02 M 05/17/67 5050	--	--	907	--	--	--	--	--	--	63 1.78	--	--	--	--	--	--
04S/02#-12C02 M 09/00/67 5050	--	--	914	--	--	--	--	--	--	65 1.83	54 .87	--	--	--	--	--
04S/02#-12C02 M 05/18/67 5050	--	--	1570	--	--	--	--	--	--	172 4.85	--	--	--	--	--	--
04S/02#-12C02 M 09/26/67 5050	--	--	1490	--	--	--	--	--	--	171 4.82	--	--	--	--	--	--
04S/02#-14C03 M 05/15/67 5050	--	--	2320	--	--	--	--	--	--	365 10.29	--	--	--	--	--	--
04S/02#-14C01 M 05/08/67 5050	--	--	4330	--	--	--	--	--	--	984 27.75	--	--	--	--	--	--
04S/02#-14C01 M 09/20/67 5050	--	8.1	4900 21.26	426 18.25	222 11.14	256 11.14	0.0 6.69	408 31.87	--	1130 31.87	--	--	0.4	--	--	1980 1647
04S/02#-14C01 M 05/04/67 5050	--	--	1260	--	--	--	--	--	--	209 5.89	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

SITE WELL NUMBER DATE LAH TIME SAMPLE	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH	
			CA	MG	NA	K	CO3	HCO3	SO4	CL	N03	F	B	SI02			
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																	
045/02w-14J01 M 09/21/67 5050	-- 8.5	1320	135	43	50	--	14	267	--	201	--	--	0.3	--	--	513	271
			6.74	3.53	2.18		.47	4.38		5.67							
045/02w-15C01 M 05/03/67 5050	--	491	--	--	--	--	--	--	--	25	--	71	--	--	--	--	--
045/02w-15C01 M 09/20/67 5050	-- 8.3	528	44	15	40	--	0.0	218	--	27	--	76	--	0.1	--	--	172
			2.20	1.23	1.74			3.58									0
045/02w-15L04 M 05/02/67 5050	--	1020	--	--	--	--	--	--	--	144	--	406	--	--	--	--	--
045/02w-15L04 M 09/20/67 5050	-- 9.1	1030	113	34	45	--	16	244	--	163	--	460	--	0.2	--	--	422
			5.64	2.79	1.96		.53	4.00		4.60							196
045/02w-22P02 M 05/18/67 5050	--	583	--	--	--	--	--	--	--	27	--	76	--	--	--	--	--
045/02w-22P02 M 09/21/67 5050	-- 9.2	621	26	7.2	93	--	26	212	--	28	--	79	--	0.2	--	--	94
			1.30	.59	4.05		.87	3.48									0
045/02w-23F02 M 05/15/67 5050	--	2040	--	--	--	--	--	--	--	457	--	1289	--	--	--	--	--
045/02w-23F02 M 09/25/67 5050	-- 7.7	2540	281	90	66	--	0.0	275	--	632	--	1782	--	0.4	--	--	1070
			14.02	7.40	2.87			4.51									845
045/02w-24J04 M 05/03/67 5050 1130	--	666	--	--	--	--	--	--	--	37	--	104	--	--	--	--	--
045/02w-24J04 M 09/14/67 5050 1600	-- 8.6	615	63	21	35	--	11	256	--	37	--	104	--	0.2	--	--	256
			3.34	1.73	1.52		.37	4.20									28
045/02w-24F06 M 05/03/67 5050 1115	--	5640	--	--	--	--	--	--	--	1670	--	4709	--	--	--	--	--

MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

TABLE E-1

STATE WELL NUMBER DATE TIME	TEMP LAB FLD	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	N03	F	B	S102	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																	
04S/02W-24F06 M 09/26/67 5050	--	7.6	5050	426	246	145	--	0.0	202	--	1410	--	--	0.4	--	--	2080 1916
				21.20	20.22	6.31			3.31		39.76						
04S/02W-24L06 M 05/04/67 5050 1150	--	--	740	--	--	--	--	--	--	--	85	--	--	--	--	--	--
											2.40						
04S/02W-24L06 M 09/22/67 5050	--	8.2	909	98	26	52	--	0.0	239	--	159	--	--	0.4	--	--	351 155
				4.49	2.14	2.26			3.92		4.48						
04S/02W-26A01 M 05/00/67 5050 1600	--	--	1250	--	--	--	--	--	--	--	246	--	--	--	--	--	--
											6.94						
04S/02W-27L01 M 04/18/67 5050	--	--	613	--	--	--	--	--	--	--	23	--	--	--	--	--	--
											.65						
04S/02W-27L01 M 09/26/67 5050	--	--	629	--	--	--	--	--	--	--	31	--	--	--	--	--	--
											.87						
04S/02W-35F01 M 05/03/67 5050	--	--	1440	--	--	--	--	--	--	--	315	--	--	--	--	--	--
											8.88						
04S/02W-35F01 M 09/19/67 5050 1600	--	--	1460	--	--	--	--	--	--	--	304	--	--	--	--	--	--
											8.69						
05S/01W-03M01 M 04/18/67 5050	--	--	1110	--	--	--	--	--	--	--	172	--	--	--	--	--	--
											4.85						
05S/01W-04U01 M 04/17/67 5050	--	--	601	--	--	--	--	--	--	--	24	--	--	--	--	--	--
											.68						
05S/01W-04U01 M 09/18/67 5050	--	--	599	--	--	--	--	--	--	--	23	--	--	--	--	--	--
											.65						
05S/01W-06U01 M 05/03/67 5050	--	--	3280	--	--	--	--	--	--	--	932	--	--	--	--	--	--
											26.28						

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP F/D	PH F/D	EC F/D	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM
SANTA CLARA VALLEY - EAST BAY (2-9-01) (CONT.)																
055/01W-08A03 M 05/08/67 5050	--	--	675	--	--	--	--	--	--	17	--	--	--	--	--	--
										.48						
055/01W-08A03 M 09/25/67 5050	--	8.6	630	18	3.6	119	--	12	295	--	17	--	--	0.5	--	60
				.90	.30	5.18		.40	4.84		.48					0
055/01W-09K01 M 05/08/67 5050	--	--	1180	--	--	--	--	--	--	198	--	--	--	--	--	--
										5.58						
055/01W-09K01 M 09/25/67 5050	--	8.2	1960	153	70	116	--	0.0	244	--	428	--	--	0.4	--	671
				7.63	5.75	5.05		4.00		12.07						471
055/01W-09M01 M 05/08/67 5050	--	--	2220	--	--	--	--	--	--	542	--	--	--	--	--	--
										15.28						
055/01W-09M01 M 09/21/67 5050	--	8.7	2370	197	74	150	--	19	243	--	539	--	--	0.3	--	797
				9.83	6.08	6.53		.63	3.99	15.20						566
055/01W-15C01 M 05/08/67 5050	--	--	902	--	--	--	--	--	--	59	--	--	--	--	--	--
										1.66						
055/01W-15C01 M 09/22/67 5050	--	--	775	--	--	--	--	--	--	54	--	--	--	--	--	--
										1.52						
055/01W-17A01 M 04/18/67 5050	--	--	686	--	--	--	--	--	--	29	--	--	--	--	--	--
										.82						
055/01W-17A01 M 09/18/67 5050	--	--	694	--	--	--	--	--	--	30	--	--	--	--	--	--
										.85						
055/02W-01K01 M 05/08/67 5050 1100	--	--	449	--	--	--	--	--	--	15	--	--	--	--	--	--
										.42						
055/02W-01K01 M 09/25/67 5050	--	8.7	451	3.8	2.3	94	--	8.0	200	--	15	--	--	0.3	--	19
				.19	.19	4.09		.27	3.28		.42					0

TABLE E-1 MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP LAH FLD	PH LAH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	R	S102	TDS
SANTA CLARA VALLEY - SOUTH BAY (2-9-02)																
065/01E-27C02 M 09/22/67 5050 1330	--	9.0	847	57	23	76	--	22	276	--	53	--	1.4	--	--	236 0
065/01F-28A04 M 09/22/67 5050 1410	--	9.0	791	31	40	76	--	20	264	--	60	--	1.0	--	--	241 0
065/01W-11H01 M 09/25/67 5050 1000	--	9.0	615	68	20	38	--	24	263	--	23	--	0.2	--	--	252 0
065/01W-14E01 M 09/25/67 5050 1030	--	8.8	974	91	26	65	--	14	198	--	153	--	0.2	--	--	336 150
065/02F-04H02 M 08/29/67 5050 1050	--	8.6	645	50	19	60	--	14	241	--	33	--	0.2	--	--	203 0
065/02W-03H01 M 08/28/67 5050 1025	--	8.7	568	40	13	64	--	14	235	--	32	--	0.3	--	--	153 0
065/02W-24H04 M 08/29/67 5050 0935	--	8.5	581	50	18	48	--	8.0	248	--	32	--	0.1	--	--	199 0
075/01F-20H04 M 09/15/67 5050 1120	--	--	928	--	--	--	--	--	--	--	43	8.4	0.2	--	--	--
075/01F-25A02 M 09/15/67 5050 0920	--	8.8	941	26	96	49	--	29	449	--	67	--	0.2	--	--	458 42
075/02F-14H01 M 09/15/67 5050 1150	--	--	1230	--	--	--	--	--	--	--	88	--	--	--	--	--
075/02F-14E01 M 09/15/67 5050 0950	--	8.9	851	68	38	61	--	21	366	--	42	--	0.2	--	--	327 0

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	PH LAB FLO	TEMP FLO	MINERAL CONSTITUENTS IN						MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER			
			EC LAB FLO	CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH			
SANTA CLARA VALLEY - SOUTH BAY (2-9-02) (CONT.)																				
075/02E-33C04 M 09/15/67 5050 1040	--	--	899	--	--	--	--	--	--	--	53 1.49	--	--	--	--	--	--	--		
085/01E-04L04 M 08/31/67 5050 1120	--	8.8	476	41	28	15	--	12	200	--	16 .45	--	--	0.1	--	--	217 33			
085/01E-08R01 M 08/31/67 5050 0900	--	8.6	373	27	17	21	--	4.0	149	--	14 .39	--	--	0.2	--	--	139 11			
085/01E-10G01 M 09/21/67 5050 1020	--	8.5	524	55	18	26	--	6.0	204	--	24 .68	--	--	0.1	--	--	213 36			
085/01E-16D01 M 09/01/67 5050 1035	--	8.6	394	30	19	19	--	6.0	156	--	15 .42	--	--	0.2	--	--	155 17			
085/01E-27C01 M 08/31/67 5050 0930	--	--	760	--	--	--	--	--	--	--	22 .62	29 .47	--	0.3	--	--	--			
085/02E-07F01 M 09/07/67 5050 0840	--	8.9	576	38	38	23	--	8.0	246	--	17 .48	--	--	0.1	--	--	249 34			
085/02E-16E01 M 09/07/67 5050 1130	--	8.6	572	50	31	21	--	9.0	253	--	16 .45	--	--	0.1	--	--	254 32			
085/02E-17L02 M 09/07/67 5050 0925	--	--	593	--	--	--	--	--	--	--	16 .45	--	--	--	--	--	--			
085/02E-34A01 M 09/07/67 5050 1010	--	8.4	698	67	33	27	--	3.0	266	--	19 .54	--	--	0.1	--	--	302 79			
085/01W-13A02 M 09/21/67 5050 0910	--	--	521	--	--	--	--	--	--	--	38 1.07	--	--	--	--	--	--			
095/02E-02C01 M 09/07/67 5050 1105	--	8.5	739	54	40	32	--	4.0	202	--	42 1.18	--	--	0.1	--	--	298 126			

MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

TABLE E-1

STATE WELL NUMBER DATE TIME	TEMP F	PH F	EC LAB F	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	S	102	SUM	TH
SANTA CLARA VALLEY - SOUTH BAY (2-9.02) (CONT.)																		
09S/03E-22803 M 09/12/67 5050 1110	--	--	503	--	--	--	--	--	--	--	15	--	--	--	--	--	--	--
09S/03E-36F03 M 09/12/67 5050 1230	--	8.6	484	46	19	24	--	9.0	184	--	19	--	--	0.1	--	--	--	194
				2.30	1.56	1.04		.30	3.02		.54							28
LIVERMORE VALLEY (2-10.00)																		
02S/02E-27K01 M 07/17/67 5050 1335	--	7.8	6540	256	70	946	--	0.0	207	--	1880	--	--	48.0	--	--	--	927
				12.77	5.75	4.15		3.39			53.02							758
02S/02E-35602 M 07/17/67 5050 1410	--	8.6	3240	72	64	506	--	24	340	--	748	--	--	7.3	--	--	--	442
				3.59	5.26	22.01		.80	5.58		21.09							123
03S/01F-03J01 M 07/17/67 5050 1340	--	8.3	1280	61	43	155	--	0.0	404	--	155	--	--	2.3	--	--	--	329
				3.04	3.53	6.74		6.63			4.37							0
03S/01E-08H03 M 07/18/67 5050 1330	--	8.3	997	64	66	44	--	0.0	375	--	93	--	--	0.6	--	--	--	431
				3.19	5.43	1.91		6.15			2.62							124
03S/01F-04A01 M 07/17/67 5050 1600	--	8.7	1140	63	45	132	--	29	391	--	112	--	--	1.9	--	--	--	342
				3.14	3.70	5.74		.97	6.41		3.16							0
03S/01F-04U01 M 07/18/67 5050 1410	--	7.8	3730	205	170	342	--	0.0	477	--	748	--	--	2.9	--	--	--	1211
				10.23	13.97	14.88		7.82			21.09							821
03S/01E-09K02 M 07/18/67 5050 1430	--	8.4	1170	47	67	97	--	8.0	385	--	118	--	--	2.0	--	--	--	392
				2.35	5.51	4.22		.27	6.31		3.33							63
03S/01E-09L01 M 07/18/67 5050 1430	--	8.4	1240	59	66	101	--	8.0	426	--	125	--	--	2.0	--	--	--	418
				2.94	5.43	4.34		.27	6.99		3.53							55
03S/01F-04P01 M 07/18/67 5050 1415	--	8.3	1130	56	62	92	--	0.0	346	--	129	--	--	1.8	--	--	--	394
				2.79	5.10	4.00		5.67			3.64							111

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TE MP LAB FLD	PH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
			EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM
			LIVERMORE VALLEY (2-10.00) (CONT.)													
03S/01F-10002 M 07/18/67 5050	--	8.5	704	70	32	30	--	0.0	272	--	45	--	--	0.4	--	306
				3.49	2.63	1.31		.27	4.46		1.27					70
03S/01F-11001 M 07/17/67 5050 1515	--	8.1	1500	122	84	107	--	0.0	414	--	79	--	--	1.4	--	650
				6.09	6.90	4.65		6.79		2.23						311
03S/01F-11E01 M 07/17/67 5050 1545	--	8.6	1450	73	89	92	--	16	425	--	205	--	--	1.1	--	548
				3.64	7.32	4.00		.53	6.97		5.78					173
03S/01F-11H01 M 07/18/67 5050 1500	--	8.4	935	52	58	100	--	6.0	326	--	96	--	--	0.5	--	368
				2.59	4.77	4.35		.20	5.35		2.71					91
03S/01F-13P02 M 07/18/67 5050 1510	--	8.6	710	51	26	60	--	10	273	--	58	--	--	0.9	--	234
				2.54	2.14	2.61		.33	4.48		1.64					0
03S/01F-15J02 M 07/18/67 5050 1400	--	8.7	1590	104	39	265	--	24	549	--	32	--	--	1.8	--	420
				5.19	3.21	11.53		.80	9.00		.90					0
03S/01F-15L01 M 07/18/67 5050 1845	--	8.2	512	34	25	26	--	0.0	196	--	30	--	--	0.2	--	188
				1.70	2.06	1.13		3.21		.85						28
03S/01F-19A05 M 07/18/67 5050 1230	--	8.3	632	59	31	31	--	0.0	266	--	34	--	--	0.3	--	274
				2.94	2.55	1.35		4.36		.96						56
03S/02E-06H01 M 07/17/67 5050 1830	--	8.6	746	41	44	45	--	12	277	--	52	--	--	0.3	--	283
				2.05	3.62	1.96		.40	4.54		1.47					36
03S/02E-06M01 M 07/17/67 5050	--	8.2	744	40	44	46	--	0.0	295	--	52	--	--	0.4	--	281
				2.00	3.62	2.00		4.84		1.47						39
03S/02E-06P01 M 07/17/67 5050 1500	--	8.1	902	57	61	33	--	0.0	332	--	86	--	--	0.3	--	393
				2.84	5.01	1.44		5.44		2.43						121
03S/02E-07A01 M 07/18/67 5050 1630	--	8.1	675	33	36	56	--	0.0	306	--	38	--	--	0.2	--	231
				1.65	2.96	2.44		5.02		1.07						0

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	T R A P F L O	P H	M I N E R A L C O N S T I T U E N T S I N				M I L L I G R A M S P E R L I T E R P E R C E N T R E A C T A N C E V A L U E				M I L L I G R A M S P E R L I T E R			
			CA	MG	NA	CL	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	SI0 ₂	TDS
LIVERMORE VALLEY (2-10.00) (CONT.)														
03S/02F-00001 07/18/67 5:05 1710	--	8.4	126	34	35	64	--	6.0	267	--	67	--	0.5	--
			1.70	2.88	2.95			.20	4.38	1.89				229
03S/02F-10001 07/17/67 5:05 1445	--	8.4	150	44	34	45	--	4.0	262	--	83	--	1.0	--
			2.23	2.74	4.70			.13	4.30	2.34				250
03S/02F-20001 07/18/67 5:05 1520	--	8.4	105	45	32	44	--	6.0	224	--	57	--	0.4	--
			2.25	2.63	2.14			.20	3.97	1.61				51
03S/03F-10001 07/18/67 5:05 1400	--	8.2	150	34	45	277	--	0.0	533	--	231	--	6.2	--
			1.70	4.70	12.05				4.74	6.51				274

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLO	PH FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER F P S102 SJM					TDS TH
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	P	S102	SJM		
CENTRAL COASTAL REGION (NO.3)																		
PAJARO VALLEY (3-2,00)																		
115/02E-27A01 M 09/27/67 5050 0815	--	8.7	725	73	25	42	--	26	230	--	53	--	--	0.0	--	--	286 54	
				3.64	2.06	1.83		.87	3.77		1.49							
125/01E-11L02 M 09/28/67 5050 1115	--	8.6	413	26	20	22	--	8.0	142	--	22	--	--	0.1	--	--	148 18	
				1.30	1.64	.96		.27	2.33		.62							
125/01E-11J01 M 09/28/67 5050 1145	--	8.5	587	34	33	26	--	5.0	146	--	58	--	--	0.0	--	--	221 93	
				1.70	2.71	1.13		.17	2.39		1.64							
125/01E-14J01 M 09/28/67 5050 1045	--	--	371	--	--	--	--	--	--	--	38	9.3	--	--	--	--	--	
											1.07	.15						
125/01E-23H01 M 09/28/67 5050 0945	--	--	608	--	--	--	--	--	--	--	24	--	--	--	--	--	--	
											.68							
125/01E-24G01 M 09/28/67 5050 0915	--	8.7	509	31	29	27	--	14	205	--	26	--	--	0.1	--	--	196 5	
				1.55	2.34	1.17		.47	3.36		.73							
125/01E-24J01 M 09/28/67 5050 0815	--	--	546	--	--	--	--	--	--	--	46	--	--	--	--	--	--	
											1.30							
125/02E-07K01 M 09/28/67 5050 1500	--	--	545	--	--	--	--	--	--	--	19	--	--	--	--	--	--	
											.54							
125/02E-18A11 M 09/28/67 5050 1415	--	--	466	--	--	--	--	--	--	--	13	--	--	--	--	--	--	
											.37							
125/02E-18K02 M 09/28/67 5050 1330	--	8.7	458	40	19	25	--	14	183	--	13	--	--	0.1	--	--	177 4	
				2.00	1.56	1.09		.47	3.00		.37							
125/02E-19M01 M 09/27/67 5050 1530	--	--	1020	--	--	--	--	--	--	--	170	--	--	--	--	--	--	
											4.79							

TABLE E-1 MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP LAB FLD	PH LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	Fe	TDS	
PAJARO VALLEY (3-2.00) (CONT.)															
125/02F-31A01 M 09/27/67 5050 1335	--	--	--	--	--	--	--	--	--	49 1.38	--	--	--	--	--
125/02F-31K01 M 08/29/67 5050 0845	--	--	--	--	--	--	--	--	--	415 11.70	--	--	--	--	--
125/02F-32K01 M 09/27/67 5050 1400	--	8.5	24 1.45	22 1.81	51 2.22	--	4.0 .13	140 2.13	--	74 2.09	--	--	0.1	--	163 50
125/03F-09J01 M 09/27/67 5050 1030	--	--	--	--	--	--	--	--	--	163 4.60	--	--	1.5	--	--
135/01F-01A01 M 07/28/67 5050 1340	--	--	--	--	--	--	--	--	--	461 24.28	7.8 .13	--	0.3	--	--
135/02F-05K01 M 07/28/67 5050 1435	--	--	--	--	--	--	--	--	--	204 4.24	114 4.21	55 .89	0.3	--	--
135/02E-06K01 M 09/27/67 5050 1515	--	8.7	10 .50	13 1.07	214 9.31	--	6.0 .20	194 4.18	--	195 5.50	--	--	0.2	--	80 0

GILROY - HOLLISTER (3-3.00)

095/03F-25K01 M 06/27/67 5050 1330	--	--	--	--	--	--	--	--	--	22 .62	--	--	--	--
105/03F-01E02 M 06/27/67 5050 1400	--	--	--	--	--	--	--	--	--	16 4.45	33 .53	--	0.1	--
105/03F-23J01 M 06/29/67 5050 1143	--	7.8	33 1.65	23 1.49	14 .74	--	0.0	179 2.94	--	21 .59	29 .47	--	0.1	178 31
105/03F-26J01 M 06/29/67 5050 1120	--	--	--	--	--	--	--	--	--	24 .64	28 .45	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLD	PH FLD	EC FLD	MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02		
				GILROY - HOLLISTER (3-3.00) (CONT.)													
10S/04F-17F01 M 06/27/67 5050 1420	--	--	760	--	--	--	--	--	--	--	--	48	--	--	--	--	--
												1.35					
10S/04E-18G02 M 06/27/67 5050 1300	--	7.7	485	39	27	17	--	--	0.0	209	--	16	--	--	0.1	--	208
				1.95	2.22	.74				3.43		.45					37
10S/04F-18J01 M 06/27/67 5050 1500	--	--	473	--	--	--	--	--	--	--	--	16	--	--	--	--	--
												.45					
10S/04E-28U02 M 06/29/67 5050 1049	--	--	557	--	--	--	--	--	--	--	--	25	--	--	--	--	--
												.71					
10S/04E-34L05 M 06/29/67 5050 1030	--	7.7	852	61	44	44	--	--	0.0	342	--	46	--	--	0.1	--	332
				3.04	3.62	2.09				5.61		1.30					52
11S/04F-03L02 M 06/29/67 5050 0940	--	--	871	--	--	--	--	--	--	--	--	40	--	--	--	--	--
												1.13					
11S/04F-04U03 M 06/29/67 5050 0920	--	--	869	--	--	--	--	--	--	--	--	25	88	--	0.1	--	--
												.71	1.42				
11S/04F-21H02 M 06/29/67 5050 1000	--	8.5	761	80	36	26	--	--	9.0	291	--	26	48	--	0.2	--	350
				3.99	2.96	1.13			.30	4.77		.73	.77				97
11S/05F-27M01 M 06/28/67 5050 1600	--	8.6	520	47	24	26	--	--	11	234	--	21	--	--	0.3	--	214
				2.35	1.97	1.13			.37	3.84		.59					4
12S/04F-34P02 M 06/28/67 5050 0800	--	7.8	2190	264	83	211	--	--	0.0	480	--	294	22	--	0.5	--	1000
				13.17	6.82	9.14				7.87		8.29	.35				607
12S/04F-35C01 M 06/28/67 5050 1000	--	--	2020	--	--	--	--	--	--	--	--	447	120	--	1.0	--	--
												9.30	3.38				
12S/04F-36G01 M 06/28/67 5050 1015	--	8.1	2250	115	139	209	--	--	0.0	647	--	148	--	--	1.3	--	858
				5.74	11.43	9.09				10.61		4.17					328

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	P4 LAK F10	EC LAK F10	MINERAL CONSTITUENTS IN			MILLIGRAMS PER LITER PERCENT REACTIVE VALUE					MILLIGRAMS PER LITER TDS				
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SiO2	SUM
GILROY - HOLLISTER (3-3.00) (CONT.)															
12S/05F-09401 1 06/29/67 5050 0940	--	11.2	1000	87	101	146	--	0.0	4.28	--	163	27	--	1.2	--
			4.44	11.50	11.04			7.02			4.60	4.3			631 290
12S/05F-12401 1 06/28/67 5050 1500	--	12.0	--	--	--	--	--	--	--	--	203	--	--	5.2	--
											5.72				--
12S/05F-13011 1 06/29/67 5050 1100	--	11.0	74	107	142	--	--	0.0	3.11	--	88	--	--	0.7	--
			3.44	11.80	11.45			13.30			2.48				634 0
12S/05F-14011 1 06/28/67 5050 1420	--	13.0	--	--	--	--	--	--	--	--	149	--	--	1.3	--
											4.20				--
12S/06F-07402 1 06/28/67 5050 1500	--	7.1	436	18	12	54	--	0.0	2.04	--	22	--	--	0.8	--
			4.90	4.39	7.35			3.35			4.62				94 0
12S/06F-19002 1 06/28/67 5050 1500	--	15.0	--	--	--	--	--	--	--	--	315	--	--	19.1	--
											8.88				--
12S/06F-11001 1 06/28/67 5050 1445	--	11.3	2500	47	49	406	--	0.0	3.28	--	473	--	--	3.5	--
			2.445	4.03	17.66			8.66			13.34				324 0
13S/05F-03011 1 06/28/67 5050 1200	--	14.0	--	--	--	--	--	--	--	--	262	110	--	0.9	--
											5.445	3.10			--
SALINAS VALLEY (4-4.00)															
12S/03F-19401 1 08/28/67 5050 1015	--	--	404	--	--	--	--	--	--	--	64	--	--	--	--
											1.80				--
13S/02F-01001 1 08/18/67 5050 1310	--	11.0	12	11.1	26	--	--	0.0	7.1	--	28	--	--	0.0	--
			4.60	4.67	1.14			1.16			7.9				64 6
13S/02F-07001 1 07/05/67 5050 0830	--	--	1000	--	--	--	--	--	--	--	124	--	--	--	--
											3.50				--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL IDENTIFICATION DATE TIME	PH TEMP LAT LONG	FC LAT LONG	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
			CA	MG	NA	CL	CO3	HCO3	SO4	CL	N03	F	B	S102	TDS	TH	NCH
SALINAS VALLEY (3-4.00) (CONT.)																	
135/02F-13401 M 08/18/67 5050 1030	--	--	242	--	--	--	--	--	--	36	--	--	--	--	--	--	--
										1.02							
135/02F-14001 M 07/05/67 5050 1000	--	--	1150	--	--	--	--	--	--	220	--	--	--	--	--	--	--
										6.20							
135/02F-20001 M 07/05/67 5050 1210	--	--	1140	--	--	--	--	--	--	213	0.0	--	--	--	--	--	--
										6.01							
135/02F-24004 M 07/05/67 5050 1200	--	8.2	812	47	14	97	--	0.0	232	--	119	--	0.2	--	--	175	0
				2.35	1.15	4.22		3.80		3.36							
135/02F-31002 M 07/06/67 5050 0820	--	--	1240	--	--	--	--	--	--	246	--	--	0.1	--	--	--	--
										6.94							
135/02F-31802 M 07/06/67 5050 0850	--	--	654	--	--	--	--	--	--	73	--	--	--	--	--	--	--
										2.06							
135/02F-31802 M 07/06/67 5050 0420	--	--	1060	--	--	--	--	--	--	196	--	--	--	--	--	--	--
										5.53							
135/02F-31802 M 07/06/67 5050 0945	--	--	1260	--	--	--	--	--	--	262	--	--	--	--	--	--	--
										1.39							
135/02F-32001 M 07/24/67 5050 1020	--	--	536	--	--	--	--	--	--	56	--	--	--	--	--	--	--
										1.58							
135/02F-32001 M 07/24/67 5050 0945	--	--	641	--	--	--	--	--	--	71	--	--	--	--	--	--	--
										2.00							
135/02F-33001 M 07/07/67 5050 1350	--	8.0	1020	94	32	65	--	0.0	259	--	122	--	0.1	--	--	366	154
				4.09	2.63	2.04		4.25		3.44							
135/03F-04001 M 08/18/67 5050 1115	--	7.5	240	11	9.3	32	--	0.0	86	--	36	--	0.0	--	--	66	0
				0.55	0.76	1.39		1.41		1.02							

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLER	PH TEMP	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS F B S102 SUM				TH NCH
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	S102	TDS SUM	
SALINAS VALLEY (3-4,00) (CONT.)																
135/03E-20R02 M 08/17/67 5050 1210	--	7.9	282	14 .70	6.4 .53	31 1.35	--	0.0	79 1.30	--	38 1.07	--	0.1	--	--	62 0
135/03E-29A01 M 08/17/67 5050	--	--	488	--	--	--	--	--	--	93 2.62	--	--	--	--	--	--
145/01E-24002 M 08/29/67 5050 0930	--	--	1520	--	--	--	--	--	--	227 6.40	--	--	--	--	--	--
145/01E-25K01 M 08/29/67 5050 0940	--	7.0	677	24 1.40	16 1.32	65 2.83	--	0.0	46 .75	--	125 3.53	--	0.1	--	--	136 99
145/02F-06001 M 07/06/67 5050 1430	--	--	610	--	--	--	--	--	--	58 1.64	--	--	--	--	--	--
145/02F-06K02 M 07/06/67 5050 1405	--	--	584	--	--	--	--	--	--	53 1.49	--	--	--	--	--	--
145/02E-08K02 M 07/24/67 5050 1340	--	--	503	--	--	--	--	--	--	45 1.27	--	--	--	--	--	--
145/02F-12Q01 M 07/14/67 5050 1035	--	--	555	--	--	--	--	--	--	45 1.27	--	--	--	--	--	--
145/02E-14N01 M 07/14/67 5050 1330	--	--	626	--	--	--	--	--	--	60 1.69	--	--	--	--	--	--
145/02E-24K01 M 07/26/67 5050 1110	--	8.3	674	52 2.55	14 1.44	57 2.44	--	0.0	209 3.43	--	75 2.12	--	0.2	--	--	204 33
145/02E-25K01 M 07/26/67 5050 1045	--	--	1540	--	--	--	--	--	--	240 6.77	--	--	0.2	--	--	--
145/02E-30K02 M 08/29/67 5050 1030	--	--	656	--	--	--	--	--	--	91 2.57	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEAP	PH LAH FLD	EC LAH FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					TDS SUM	TH NCH
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	S102							
SALINAS VALLEY (3-4.00) (CONT.)																						
145/02E-35J01 M 07/26/67 5050 1500	--	--	494	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
145/03E-30E01 M 07/17/67 5050 1510	--	--	2190	--	--	--	--	--	--	--	--	249	360	--	--	0.4	--	--	--	--	--	
145/03F-33001 M 07/20/67 5050 1300	--	8.4	681	69	30	63	--	2.74	--	8.0	201	--	117	--	--	0.1	--	--	--	296	118	
155/01F-22C01 M 08/29/67 5050 1330	--	8.0	677	67	24	65	--	4.70	--	0.0	190	--	128	--	--	0.2	--	--	--	266	110	
155/01F-23001 M 08/29/67 5050 1320	--	--	475	--	--	--	--	--	--	--	--	--	85	240	--	--	--	--	--	--	--	
155/02E-02001 M 07/25/67 5050 1325	--	--	1420	--	--	--	--	--	--	--	--	242	76	--	--	--	--	--	--	--	--	
155/03F-04K03 M 07/26/67 5050 0905	--	--	688	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
155/03E-05004 M 07/20/67 5050 1230	--	--	2430	--	--	--	--	--	--	--	--	717	229	--	--	0.6	--	--	--	--	--	
155/03F-16K01 M 07/14/67 5050 1300	--	8.0	1150	115	42	59	--	2.57	--	0.0	336	--	68	--	--	0.2	--	--	--	460	185	
155/03F-17P01 M 07/14/67 5050 1105	--	8.1	1180	68	48	110	--	4.74	--	0.0	473	--	121	--	--	0.2	--	--	--	367	0	
165/02E-01L01 M 08/22/67 5050 1140	--	--	634	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
165/02E-03J01 M 08/22/67 5050 0930	--	8.1	893	82	18	76	--	3.31	--	0.0	242	--	130	--	--	0.1	--	--	--	279	81	

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE SAMPLED	TEMP	PH	PC LAK FLD	CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	S102	MILLIGRAMS PER LITER TDS SJM	TH NCH
SALINAS VALLEY (3-4,000) (CONT.)																
16S/04F-02A01 07/13/67 5050 1005	--	--	1010	--	--	--	--	--	--	240	55	--	--	0.3	--	--
										4.94	1.55					
17S/05F-03A01 07/10/67 5050 1100	--	8.2	614	66	22	24	--	0.0	209	--	25	--	--	0.1	--	255
				1.24	1.81	1.25			4.43		.71					84
17S/06F-03A01 07/06/67 5050 0950	--	--	1040	--	--	--	--	--	--	253	76	--	--	0.7	--	--
										5.25	2.14					
18S/06F-01E01 07/07/67 5050 1325	--	--	754	--	--	--	--	--	--	--	33	--	--	0.3	--	--
											.93					
18S/06F-02A01 07/07/67 5050 1440	--	--	1010	--	--	--	--	--	--	247	59	41	--	--	--	--
										5.14	1.66	.66				
19S/07F-10A01 07/07/67 5050 1015	--	8.0	935	70	39	77	--	0.0	193	--	122	--	--	0.3	--	335
				1.44	1.21	2.46			3.17		3.44					177
19S/07F-13A02 07/11/67 5050 0925	--	8.2	944	65	32	91	--	0.0	241	--	45	--	--	0.3	--	322
				1.34	2.53	3.76			4.75		1.55					125
19S/08F-12A01 07/11/67 5050 1015	--	--	970	--	--	--	--	--	--	1250	345	--	--	2.0	--	--
										25.21	4.75					
19S/08F-13A01 07/11/67 5050 1045	--	--	1150	--	--	--	--	--	--	946	315	35	--	1.0	--	--
										20.51	4.64	.56				
20S/08F-03A01 07/11/67 5050 1250	--	8.2	1540	114	41	155	--	0.0	294	--	124	--	--	0.9	--	478
				5.64	4.17	6.77			4.62		3.61					237
20S/08F-24A02 07/14/67 5050 1220	--	8.4	1750	214	87	945	--	4.0	204	--	734	--	--	2.5	--	902
				1.044	1.15	1.24			4.13		20.41					729
21S/09F-07A01 07/14/67 5050 1105	--	--	2170	--	--	--	--	--	--	--	207	41	--	0.2	--	--
											5.44	.64				

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
			CA	Mg	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SiO ₂	TDS SUM	
SALINAS VALLEY (3-4.00) (CONT.)																
215/09F-24L01 M 07/27/67 5050 1025	--	8.3	2100	185	75	172	--	0.0	232	--	124	--	--	0.6	--	773
				9.23	6.17	7.44			3.80		3.50					583
225/10E-17N01 M 07/18/67 5050 0925	--	8.3	512	46	18	30	--	0.0	192	--	23	--	--	0.2	--	189
				2.30	1.48	1.31			3.15		.65					32
225/10E-34G01 M 07/18/67 5050 1057	--	8.2	902	64	30	74	--	0.0	264	--	77	--	--	0.5	--	296
				3.44	2.47	3.22			4.33		2.17					80
235/08E-08K01 M 08/03/67 5050 0900	--	--	310	--	--	--	--	--	--	--	--	--	--	--	--	--
255/12E-08G01 M 06/06/67	7.7	8.2	2004	50	42	64	2.0	--	318	0.5	56	12	0.4	.34	--	484
				2.50	3.45	2.95	.05		5.22	1.74	1.58	.20				473
255/12F-16049 M 10/20/66	--	8.2	763	37	32	72	2.0	0.0	288	0.1	51	14	--	.50	--	477
				1.75	2.04	3.14	.05		4.72	1.44	1.44	.23				421
				2.5	3.4	4.1	1		6.0	1.5	1.8	3				0
255/12E-16K02 M 06/06/67	8.1	2517	174	136	234	4.0	4.0	--	524	614	292	10	0.7	.96	--	1899
				4.94	11.18	10.14	.10		4.86	12.77	5.23	.16				1729
255/12F-16L01 M 06/06/67	7.4	2543	207	113	244	3.0	3.0	--	447	853	233	2.5	0.7	.95	--	2083
				10.33	9.29	12.74	.08		7.33	17.74	6.57	.04				1926
				3.7	2.4	4.3			2.3	5.5	2.1					616
255/12F-16N01 M 10/19/66	--	8.2	442	43	34	70	2.0	0.0	276	44	64	15	--	.40	--	463
				2.15	3.12	3.05	.05		4.89	1.75	1.80	.24				457
				2.5	3.7	3.6	1		5.5	2.1	2.1	3				30
255/12F-21L01 M 06/06/67	7.9	2524	162	114	267	7.0	7.0	--	405	610	337	24	0.6	1.19	--	1891
				4.08	9.37	11.61	.14		6.84	12.69	9.50	.34				1722
				2.4	3.2	4.0	1		2.3	4.3	3.3	1				542
255/12F-26D01 M 06/08/67	7.7	684	47	38	39	2.0	2.0	--	271	36	53	25	0.4	.19	--	385
				2.35	3.12	1.70	.05		4.44	.75	1.49	.40				274
				3.3	4.3	2.4	1		6.3	1.1	2.1	6				373
255/12F-26K01 M 06/08/67	7.1	613	424	52	37	75	2.0	--	286	94	76	6.5	0.5	.37	--	516
				2.54	3.04	3.26	.05		4.64	1.96	2.14	.10				484
				2.9	3.4	3.6	1		5.3	2.2	2.4	1				48

TABLE E-1 MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STATE DATE TIME	WELL LAW SAMPLER	PC LAW FLD	TEMP F	CA	MG	NA	K	MILLIGRAMS PER LITER										MILLIGRAMS PER LITER			
								GENERAL COMPOSITION IN				PERCENT REACTANCE VALUE						TDS SUM			
								CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	Br	SiO ₂	TH	NCH				
SALINAS VALLEY (3-4-00) (CONT.)																					
25S/12F-27F-11 M 06/04/67		12 F	8.0	874	46	50	74	2.0	--	127	102	71	15	0.6	.40	--	321				
				2.40	4.11	3.14	.05		5.36	2.12	2.00	.24					53				
				24	43	43	1		55	22	21	2									
25S/12F-28F-11 M 10/05/66		61 F	8.4	1470	45	74	140	4.0	4.0	225	465	201	7.4	--	.70	--	537				
				4.24	6.44	5.27	.10	.13	3.64	4.64	3.67	.13					346				
				22	34	43	1	1	14	50	24	1									
25S/12F-32A-11 M 06/06/67		63 F	7.4	946	54	45	105	2.0	--	103	174	72	8.0	0.5	.50	--	320				
				2.24	3.70	4.71	.05		4.27	3.72	2.03	.13					72				
				24	33	42			46	34	19	1									
25S/12F-33A-11 M 06/06/67		65 F	8.1	1446	153	73	184	2.0	--	177	333	145	16	0.5	.02	--	682				
				7.63	6.00	6.14	.05		4.46	6.13	5.22	.26					209				
				35	27	37			43	32	24	1									
25S/12F-35E-11 M 06/04/67		64 F	7.4	2047	44	63	270	4.0	--	374	442	268	6.5	0.6	.40	--	528				
				4.44	5.67	12.67	.10		5.13	4.14	7.56	.10					222				
				21	24	54			27	40	33										
25S/12F-39F-11 M 10/06/66		63 F	8.6	544	--	--	--	--	11	209	--	38	25	--	--	--	--				
									.47	3.43		1.07	.40								
25S/14F-43F-11 M 10/06/66		72 F	8.6	615	24	22	74	3.0	11	243	42	24	3.6	--	.40	--	163				
				1.44	1.51	3.44	.06		.47	4.24	.74	.64	.06				0				
				21	27	51	1		6	64	14	10	1								
25S/15F-21F-11 M 06/14/67		63 F	8.1	544	35	14	57	2.0	--	204	23	44	23	0.4	.24	--	166				
				1.75	1.76	2.14	.05		3.35	4.4	1.34	.17					0				
				32	24	44	1		60	4	25	7									
25S/16F-11F-11 M 06/13/67		60 F	7.4	1443	150	40	154	3.0	--	310	424	99	6.0	1.0	.44	--	539				
				7.84	4.24	5.74	.08		5.08	4.90	2.74	.10					285				
				42	14	34			40	53	17	1									
26S/04F-15F-11 M 06/04/67		73 F	8.0	312	57	54	6.0	0.0	--	174	12	4.0	7.0	0.1	.02	--	163				
				2.44	.41	.24				2.44	.24	.24	.11				16				
				41	12	7			43	7	7	3									
26S/10F-20F-11 M 06/04/67		65 F	7.4	1440	104	61	145	4.0	--	427	500	27	7.0	0.7	.08	--	523				
				5.44	5.01	4.05	.23			7.00	10.40	.76	.11				173				
				24	27	44	1			34	57	4	1								
26S/12F-03F-11 M 06/04/67		73 F	7.4	547	41	24	47	2.0	--	202	27	54	4.5	0.4	.11	--	201				
				2.05	1.47	1.41	.05			4.31	.56	1.64	.15				36				
				44	35	23	1			54	10	24	3								

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP	PH	FC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				Ca	Mg	Na	K	CO ₃	HCO ₃	SO ₄	CL	F	H	5102	TDS SUM	TH NCH	
				SALINAS VALLEY (3-4-00) (CONT.)													
265/12F-07402 (1) 06/06/67		7.5	4.2	2.0				--	2.29	1.37	5.3	11	0.3	.11	--	522 335	474 147
			4.39	2.30	1.43	.05			3.76	2.45	1.49	.14					
			51	27	21	1			45	34	18	2					
265/12F-07403 (1) 05/04/67		7.6	6.66	65	27	43	2.0	--	2.76	97	37	2.0	0.4	.04	--	435 273	399 63
				3.22	1.97	.05			4.20	2.02	1.04	.03					
				44	30	25	1		58	28	14						
265/12F-07404 (1) 06/08/67		7.5	1.347	103	47	147	2.0	--	4.75	153	141	24	0.3	.35	--	886 451	850 62
				5.14	3.46	6.39	.05		7.79	3.18	3.98	.39					
				33	23	82			51	21	26	3					
265/12F-14J43 (1) 10/27/66		8.5	6.90	35	23	81	2.0	9.0	267	52	53	2.5	--	.40	--	396 182	390 0
				1.75	1.69	3.57	.05	.30	4.38	1.08	1.49	.04					
				24	26	44	1	4	60	15	20	1					
265/12F-16C04 (1) 06/08/67		8.1	10.36	174	61	94	2.0	--	324	144	217	145	0.4	.25	--	1265 686	1036 421
				9.64	5.01	4.04	.05		5.31	3.00	6.12	2.98					
				49	28	23			30	17	35	17					
265/12F-20A01 (1) 06/06/67		7.3	3.47	10.6	2.0	64.3	9.0	--	105	531	417	1.0	5.0	4.55	--	2353 278	2209 192
				5.39	.16	24.54	.23		1.72	11.04	23.04	.02					
				15		84	1		5	31	64						
265/12F-21032 (1) 06/08/67		8.1	10.75	64	29	160	4.0	--	369	149	99	2.0	0.9	.16	--	708 279	689 0
				3.19	2.38	6.95	.10		6.05	3.10	2.79	.03					
				25	19	45	1		51	26	23						
265/12F-21144 (1) 10/20/66	--	8.4	10.50	39	17	177	3.0	4.0	405	65	46	2.4	--	.90	--	641 168	589 0
				1.47	1.00	7.41	.08	.13	7.04	1.41	2.43	.04					
				14	13	65	1		1	62	13	23					
265/12F-22B02 (1) 10/04/66		8.3	7.64	33	22	96	2.0	0.0	290	46	56	8.4	--	.40	--	450 173	406 0
				1.65	1.61	4.14	.05		4.76	95	1.58	.14					
				21	24	54	1		64	13	21	2					
265/13F-11F01 (1) 10/04/66		8.5	10.80	70	17	154	3.0	1.3	272	160	78	3.5	--	1.00	--	651 195	613 0
				2.40	1.40	6.73	.04	.43	4.46	3.33	2.20	.06					
				23	13	63	1	4	43	32	21	1					
265/13F-24L02 (1) 10/04/66		8.4	5.42	41	15	54	2.0	1.8	216	20	48	1.7	--	.20	--	320 164	311 0
				2.05	1.23	2.57	.05	.60	3.54	.42	1.35	.03					
				35	21	44	1	10	60	7	23	1					
265/14F-14M01 (1) 06/13/67		8.1	4.36	13	7.0	67	2.0	--	162	39	32	0.0	0.6	.26	--	258 62	242 0
				.65	.58	3.00	.05		2.66	.81	.90						
				15	14	70	1		61	19	21						

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATS	WELL ID	DATE	TIME	SAMPLED	SALINAS VALLEY (3-4,000)										MILLIGRAMS PER LITER										MILLIGRAMS PER LITER										MILLIGRAMS PER LITER									
					PH	EC	ALCAL	COND	TRAILS	IN	CO3	NO3	SO4	CL	NO3	F	M	S102	TDS	TH	NCH	CO3	NO3	SO4	CL	NO3	F	M	S102	TDS	TH	NCH												
SALINAS VALLEY (3-4,000)																																												
26S/14F-10001																																												
06/13/67																																												
26S/14F-10002																																												
10/10/66																																												
26S/14F-10003																																												
10/10/66																																												
26S/14F-21001																																												
06/04/67																																												
26S/14F-21002																																												
06/13/67																																												
26S/14F-21003																																												
10/10/66																																												
26S/15F-02001																																												
10/10/66																																												
26S/15F-03001																																												
06/13/67																																												
26S/15F-20001																																												
06/13/67																																												
26S/15F-20002																																												
10/10/66																																												
26S/15F-20003																																												
10/10/66																																												
26S/15F-20004																																												
10/10/66																																												

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLO	PH LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUF				MILLIGRAMS PER LITER TDS			
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02
SALINAS VALLEY (3-4.00) (CONT.)														
26S/15F-28K02 M 10/10/66	7.7	4420	--	--	--	--	0.0	303	--	601	0.4	--	--	--
							4.97			10.95	.01			
26S/15F-29K01 M 10/10/66	6.2	349	45	5.0	24	2.0	0.0	135	21	22	22	--	.10	--
			2.25	41	1.04	.05		2.21	.44	.62	.35			
			6.0	11	24	1		61	12	17	10			
26S/15F-32K01 M 06/13/67	6.2	462	45	3.0	27	2.0	--	140	31	21	9.0	0.2	.01	--
			2.25	25	1.17	.05		2.30	.04	.59	.14			
			6.0	7	31	1		63	17	16	4			
26S/15E-33K01 M 06/13/67	7.4	972	43	14	101	2.0	--	140	221	106	7.5	0.4	.29	--
			4.44	1.15	4.39	.05		2.30	4.60	2.99	.12			
			45	11	44			23	46	30	1			
26S/16F-31K01 M 10/10/66	7.4	1640	--	--	--	--	0.0	330	--	97	40	--	--	--
							5.41			2.74	.64			
27S/08F-26K01 M 05/23/67	6.2	1141	102	79	47	1.0	--	522	120	87	5.5	0.4	.14	--
			5.09	6.49	2.14	.03		4.56	2.50	2.45	.09			
			37	47	16			63	18	18	1			
27S/10F-15K01 M 06/09/67	7.4	632	77	26	31	1.0	--	265	112	19	0.0	0.3	.09	--
			3.44	2.14	1.41	.03		4.35	2.33	.54				
			57	29	13			60	32	7				
27S/10F-15K02 M 06/09/67	6.1	729	30	16	117	1.0	--	320	96	23	5.0	0.3	.13	--
			1.50	1.32	5.04	.03		5.25	2.00	.65	.08			
			14	17	64			66	29	8	1			
27S/11F-07K01 M 06/09/67	7.7	1153	162	30	56	2.0	--	427	223	31	2.0	0.2	.09	--
			4.04	2.47	2.44	.05		7.00	4.64	.87	.03			
			62	14	13			56	37	7				
27S/11F-09K01 M 06/09/67	7.4	1370	93	53	159	3.0	--	503	141	75	0.0	0.5	.19	--
			4.44	4.36	6.42	.04		9.89	3.76	2.12				
			24	27	43	1		63	24	13				
27S/12E-03K02 M 10/04/66	6.1	763	61	35	40	2.0	0.0	300	12	80	8.7	--	.10	--
			3.04	2.88	1.74	.05		4.92	.25	2.26	.14			
			34	37	23	1		65	3	30	2			
27S/12F-04K02 M 06/08/67	7.6	440	45	48	44	2.0	--	338	49	116	23	0.3	.14	--
			4.29	3.59	2.69	.05		5.54	1.02	3.27	.37			
			41	34	26			54	10	32	4			

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP F	PH	PC LAR FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER					
				CA	MG	NA	K	PERCENT REACTIVE VALU				MILLIGRAMS PER LITER					
								CO3	HCO3	SO4	CL	NO3	F	g	SIO2	SUM	TH
SALINAS VALLEY (3-4.00) (CONT.)																	
27S/12E-04002 M 06/08/67	65 F	8.1	922	93	48	44	2.0	--	342	115	77	18	0.4	.14	--	641	430
				4.64	3.95	2.04	.05	5.61	2.19	2.17	.29						
				43	37	19			54	23	21	3					
27S/12E-11E01 M 06/08/67	65 F	7.8	705	68	34	31	1.0	--	274	94.0	89	10	0.4	.09	--	468	310
				3.39	2.79	1.35	.03	4.49	.19	2.51	.16						377
				45	37	14			61	3	34	2					
27S/12E-14A01 M 06/07/67	95 F	8.2	1183	54.0	1.0	26.0	3.0	--	371	122	101	2.0	1.2	1.09	--	707	17
				.25	.09	11.31	.08	6.08	2.54	2.85	.03						678
				2	1	97	1		53	22	25						
27S/12E-15G01 M 06/08/67	40 F	8.2	1339	44.0	24.0	30.4	3.0	11	499	142	131	0.0	2.2	.33	--	850	18
				.20	.16	13.44	.08	.37	6.54	2.95	3.69						799
				1	1	47	1		4	48	22	27					
27S/12E-21N04 M 10/03/66	60 F	8.4	1020	113	47	41	2.0	6.0	310	217	48	2.5	--	.10	--	611	476
				5.64	3.46	1.74	.05	.20	5.08	4.51	1.35	.04					629
				50	34	16		2	45	40	12						
27S/12E-22M01 M 10/03/66	50 F	8.2	1170	79	40	117	3.0	0.0	340	203	80	9.7	--	.30	--	645	352
				3.74	3.29	5.04	.08	5.58	4.22	2.26	.16					695	73
				31	27	42	1		46	35	18	1					
27S/12E-24M02 M 10/03/66	62 F	8.2	1150	144.0	44	46	2.0	0.0	469	229	64	3.5	--	.10	--	773	531
				6.99	3.62	2.00	.05	7.05	4.74	1.80	.06					708	229
				55	24	16			48	37	14						
27S/12E-32C03 M 06/06/67	57 F	8.2	854	119	37	34	1.0	--	413	171	45	2.0	0.4	.05	--	587	439
				5.4	1.04	1.44	.03	5.13	3.56	1.27	.03					558	183
				56	31	14			51	36	13						
27S/12E-33N01 M 06/06/67	52 F	8.0	944	101	53	34	3.0	--	353	145	66	0.0	0.3	.06	--	639	470
				5.04	4.46	1.44	.08	5.79	3.02	1.86						575	181
				46	40	14	1		54	28	17						
27S/13E-04P01 M 10/07/66	57 F	8.6	665	14	44.0	125	2.0	13	330	22	20	4.3	--	.40	--	406	72
				.70	.74	5.44	.03	.43	5.41	.46	.56	.07				371	0
				10	11	74	1		6	78	7	8	1				
27S/13E-13Q01 M 06/07/67	72 F	10.0	383	44.0	14.0	71	3.0	22	47	29	35	0.0	0.2	.06	--	228	14
				.20	.09	3.24	.04	.73	1.10	.60	.99					198	0
				6	2	40	.04	.71	32	18	29						
27S/13E-17U01 M 06/07/67	71 F	7.7	658	50	27	53	2.0	--	296	14	62	4.5	0.2	.05	--	378	236
				2.50	2.22	2.31	.05	4.85	.37	1.75	.14				366	0	
				35	31	33	.01		68	5	25	2					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH TEMP FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTIVE VALUE						MILLIGRAMS PER LITER				
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	TH NCH	
			SALINAS VALLEY (3-4.00) (CONT.)														
275/13E-20A01 M 06/07/67	72 F	7.7	539	49	28	31	2.0	--	2.85	1.9	30	12	0.2	.00	--	341	238
			2.45	2.30	1.35	.05		4.67	.27	.85	.19					305	5
			40	37	22	1		78	5	14	3						
275/13E-26A01 M 06/07/67	70 F	8.1	531	53	21	24	2.0	--	2.28	.97	31	11.5	0.2	.04	--	312	219
			2.64	1.73	1.26	.05		3.74	.91	.87	.19					298	32
			46	30	22	1		67	14	16	3						
275/13E-36A01 M 10/07/66	68 F	8.7	550	71	10	24	3.0	12	2.07	22	37	13	--	.00	--	359	218
			3.54	.82	1.26	.04		.40	3.39	.46	1.04	.21				298	29
			62	14	22	1		7	62	6	19	4					
275/15F-10A02 M 06/13/67	71 F	7.4	1223	132	19	107	3.0	--	1.09	261	179	15.5	0.3	.37	--	857	408
			6.59	1.56	4.66	.08		1.79	2.43	5.05	.25					771	319
			51	12	36	1		14	43	40	2						
275/15F-13A01 M 10/11/66	61 F	8.2	4700	--	--	--	--	0.0	2.31	--	.94	.29	--	--	--	--	--
								3.79		23.80	.47						
275/15F-35F01 M 06/13/67	68 F	7.5	333	37	5.0	22	2.0	--	1.27	30	18	6.0	0.2	.01	--	214	113
			1.85	.41	.96	.05		2.08	.62	.51	.10					182	9
			57	13	29	2		63	19	15	3						
275/16F-23A01 M 10/11/66	65 F	8.0	750	--	--	--	--	0.0	2.75	--	.48	7.6	--	--	--	--	--
								4.51		1.35	.12						
285/09F-26E01 M 05/23/67	63 F	8.0	1950	90	85	200	1.0	--	.93	76	.09	138	0.6	.10	--	1200	574
			4.49	6.99	4.70	.03		7.93	1.58	4.69	2.22					1121	203
			22	35	43			37	8	44	11						
285/10F-33A05 M 05/23/67	61 F	8.1	1572	76	101	140	9.0	--	7.23	62	142	2.0	0.6	.22	--	955	605
			3.79	4.30	6.09	.23		11.86	1.29	4.13	.03					927	12
			21	45	33	1		65	7	28							
285/12F-10A02 M 10/04/66	--	8.3	893	94	34	45	2.0	0.0	.277	132	60	2.0	--	.00	--	523	375
			4.69	2.79	1.76	.05		4.54	2.75	1.69	.03					505	148
			49	29	21	1		50	31	19							
285/12E-14A01 M 06/07/67	58 F	8.0	796	94	37	24	1.0	--	3.46	78	46	15.5	0.3	.04	--	506	387
			4.69	3.04	1.26	.03		5.67	1.62	1.30	.25					470	104
			52	34	14			64	15	3							
285/12E-14A01 M 06/07/67	58 F	8.5	720	69	37	40	1.0	15	2.35	111	49	7.0	0.4	.03	--	482	324
			3.44	3.04	1.74	.03	.50	3.85	2.31	1.38	.11					445	107
			42	37	21		6	47	28	17	1						

MINERAL ANALYSES OF GROUND WATER CENTRAL COASTAL AREA

STAFF WELL DATE SAMPLED	PH	EC FLU	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS SJM						
			CA	Mg	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	TH			
SALINAS VALLEY (3,400) (CONT.)																	
285/12F-25002 07/26/67	--	7.5	6.2	76	31	20	1.0	--	2.9	10.9	26	4.0	0.4	.03	--	413 317	
				3.79	2.55	.67	.03		4.04	2.27	.73	.13				343 113	
				52	35	12			57	31	10	2					
285/12F-25002 07/26/67	--	7.5	4.7	45	26	22	1.0	--	--	2.04	6.3	23	4.0	0.3	.04	--	306 220
				2.25	2.14	.96	.03			3.35	1.31	.65	.06				284 53
				42	40	14	1			62	24	12	1				
285/12F-25044 10/20/66	--	7.1	6.7	74	41	42	1.0	0.0	3.9	11.7	53	1.0	--	.00	--	388 366	
				3.94	3.37	1.44	.03		5.07	2.43	1.49	.02				485 113	
				43	37	20			56	27	17						
285/12F-25044 10/21/66	--	7.2	6.6	69	30	21	1.0	0.0	2.97	9.4	23	5.6	--	.10	--	549 296	
				3.44	2.47	.91	.03		4.05	1.26	.65	.09				365 94	
				50	36	13			60	24	10	1					
285/13F-04002 06/07/67	7.1	6.73		60	37	30	1.0	--	2.90	7.0	75	9.0	0.6	.05	--	425 302	
				2.97	3.04	1.31	.03		4.76	.15	2.12	.14				362 64	
				41	41	14			66	2	30	2					
285/13F-04003 06/07/67	7.0	6.1	6.51	51	30	49	2.0	--	3.20	10	56	7.5	0.4	.04	--	381 251	
				2.54	2.47	2.13	.05		5.34	.21	1.58	.12				36 225	
				36	35	30	1		73	3	22	2					
285/13F-04004 10/03/66	7.0	6.5	7.31	61	40	35	2.0	10	2.67	10.8	28	3.4	--	.00	--	377 317	
				3.04	3.29	1.52	.05	.33	4.38	2.25	.79	.05				418 82	
				38	42	14	1	4	56	24	10	1					
285/16F-14001 10/11/66	6.1	6.2	6.04	65	21	31	2.0	0.0	2.05	.94	22	9.9	--	.00	--	358 249	
				3.24	1.73	1.35	.05		3.36	2.04	.62	.16				349 81	
				51	27	21	1		54	33	10	3					
285/16F-25002 05/24/67	6.1	7.1	4.23	447	180	227	2.0	--	5.32	22.3	1155	17.5	0.5	.11	--	3132 1857	
				22.31	14.80	9.47	.05		4.72	4.64	32.57	.28				2513 1422	
				47	31	21			14	10	70	1					
285/16F-25003 06/07/67	6.2	7.1	10.31	120	61	34	1.0	--	3.91	152	84	20	0.6	.02	--	767 551	
				7.44	7.01	1.71	.03		6.41	3.16	2.51	.32				674 231	
				47	34	14			52	25	20	3					
285/16F-25004 10/04/66	6.1	7.1	5.44	59	10	47	1.0	0.0	2.10	.55	39	6.3	--	.00	--	334 188	
				2.94	.82	2.04	.03		3.44	1.14	1.10	.10				320 16	
				50	14	35	1		60	20	19	2					
285/16F-14001 10/04/66	--	4.2	5.44	44	32	33	1.0	0.0	2.37	.66	28	7.8	--	.10	--	340 242	
				2.20	2.63	1.44	.03		3.44	1.37	.79	.13				328 48	
				35	42	24			63	22	13	2					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP LAB FLD	PH LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	SI02	TDS SUM	
CARMEL VALLEY (3-7.00)															
16S/01W-13L02 M 07/26/67 5050 1220	--	--	--	--	--	--	--	--	--	99	--	--	--	--	--
										2.79					
16S/01E-16L01 M 07/26/67 5050 1135	--	--	--	--	--	--	--	--	--	50	--	--	--	--	--
										1.41					
16S/01E-17G01 M 07/26/67 5050	--	--	--	--	--	--	--	--	--	129	--	--	--	--	--
										3.64					
16S/01E-25B01 M 08/29/67 5050 1430	--	8.0	472	2.54	4.9	34	--	0.0	131	--	27	--	0.1	--	147
								2.15		.76					40

TABLE E-2
TRACE ELEMENT ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

State Well Number	Date	Constituents in Milligrams Per Liter																	Analyzed by
		(Al)	(Be)	(Bi)	(Cd)	(Co)	(Cr)	(Cu)	(Fe)	(Ga)	(Ge)	(Mn)	(Mo)	(Ni)	(Pb)	(Ti)	(V)	(Zn)	
4S/1W-21F2-M	12-13-66	0.00					0.00	0.00	0.06			0.02			0.00			0.00	0.01
4S/1W-21F2-M	3-7-67	0.00					0.02	0.00	0.00			0.00			0.00			0.01	
4S/1W-21F2-M	6-7-67						0.00												
4S/1W-21F6-M	12-13-66	0.00					0.00	0.00	0.01			0.01			0.00			0.00	
4S/1W-21F6-M	3-7-67	0.00					0.02	0.00	0.03			0.00			0.00			0.01	
4S/1W-21F6-M	6-7-67						0.00												

TABLE E-3
MISCELLANEOUS CONSTITUENTS IN GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER	DATE	CONSTITUENTS IN MILLIGRAMS PER LITER			
		MBAS	As	Phenols	Se
SANTA CLARA VALLEY - EAST BAY (2-9.01)					
4S/1W-21F2-M	12-13-66	0.0	0.00	0.000	0.00
4S/1W-21F2-M	3-7-67	0.0	0.00	0.000	0.00
4S/1W-21F2-M	6-7-67	0.0		0.000	0.00
4S/1W-21P6-M	12-13-66		0.00	0.000	0.00
4S/1W-21P6-M	3-7-67	0.0	0.00	0.000	0.00
4S/1W-21P6-M	6-7-67	0.0		0.000	0.00

Appendix F
WASTE WATER

INTRODUCTION

This appendix contains data on the quality and quantity of waste water discharged at various locations in the Central Coastal Area and on the use of such waters. Waste waters constitute a portion of our total water resources and like streams and lakes, if carefully managed, can be put to good use.

Prior publications of the Department which contain similar data for this as well as other areas of California are:

1. "Reclamation of Water from Sewage or Industrial Waste." December 1952. (Data for 1950-51 and 1951-52.)
2. "Reclamation of Water from Sewage or Industrial Waste." June 1954. (Data for 1952-53.)
3. Bulletin No. 68, "Reclamation of Water from Sewage and Industrial Wastes, July 1, 1953-June 30, 1955." January 1958.
4. Bulletin No. 68-62, "Reclamation of Water from Sewage and Industrial Wastes in California, July 1, 1955-June 30, 1962." October 1963.
5. Office report, "Quantity, Quality and Use of Waste Water in Southern California, July 1, 1962-June 30, 1963." December 1965.
6. Office report, "Quantity, Quality and Use of Waste Water in Southern California, July 1, 1962-June 30, 1963." April 1966.
7. Office report, "Quality and Use of Waste Water 1962-1965." July 1966. (Data for Central Coastal California including San Francisco Bay area.)
8. Office report, "Quantity, Quality and Use of Waste Water in Southern California, July 1, 1964-June 30, 1965." January 1967.

Additional reports have been prepared on reclamation of water from wastes in specific areas. These are:

1. Bulletin No. 67, "Reclamation of Water from Sewage and Industrial Wastes, Watsonville Area, Santa Cruz and Monterey Counties." 1955.
2. Office report, "Feasibility of Reclamation of Water from Sewage in International Outfall Sewer, Tia Juana Valley, California." December 1955.
3. Bulletin No. 80, "Feasibility of Reclamation of Water from Wastes in the Los Angeles Metropolitan Area." December 1961.
4. Bulletin No. 80-2, "Reclamation of Water From Wastes in Coastal San Diego County." February 1968.
5. Bulletin No. 80-3, "Reclamation of Water from Wastes: Coachella Valley." December 1966.

Data presented in this appendix are for the period July 1, 1965, to September 30, 1967. The data in prior publications were presented on a fiscal year basis: the 12-month period beginning July 1 and ending June 30. In this appendix, where 12-month totals are listed for comparative purposes the values for the 1965-66 and 1966-67 fiscal years are shown as well as the values for the 1966-67 water year (October 1 to September 30, 1967).

In all tabulations, data are presented according to Water Quality Control Board region. These regions are geographic areas defined in Section 13040 of the Water Code. For the Central Coastal Area these are: North Coastal Water Quality Control Board Region (No. 1) (southern portion), San Francisco Bay Water Quality Control Board Region (No. 2), and Central Coastal Water Quality Control Board Region (No. 3) (northern portion).

The locations of waste dischargers are shown in Figure F-1.

This report contains data from waste dischargers that were not included in the report "Quality and Use of Waste Water, 1962-1965". In the North Coastal Water Quality Control Board Region (No. 1) these dischargers are:

1. City of Cloverdale. This treatment plant is located in Section 7 of Township 11 North, Range 10 West, Sonoma County. Treatment consists of grinding, primary settling, bio-filtration, secondary settling, chlorination, ponding; sludge digestion and drying. The average flow during the 1966-67 water year was 0.6 mgd.

2. City of Sebastopol. This treatment plant is located in Section 35 of Township 7 North, Range 9 West, Sonoma County. Treatment consists of primary settling, bio-filtration, secondary settling, ponding; sludge digestion and drying. The average domestic flow during 1966-67 water year was 0.3 mgd. During the 3-month apple canning season, there also is an industrial flow of 0.4 mgd for a combined total flow of 0.7 mgd. Average flow for the entire year of the combined domestic and industrial waste discharge was 0.4 mgd.

In San Francisco Bay Water Quality Control Board Region (No. 2) the additional dischargers are:

1. Contra Costa Sanitary District No. 7A. This treatment plant is located in Section 4 of Township 2 North, Range 1 West, Contra Costa County. Treatment consists of screening, grinding, and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.8 mgd.

2. Crockett-Valona Sanitary District. This treatment plant is located in Section 31 of Township 3 North, Range 3 West, Contra Costa County. Treatment consists of grinding, grit removal and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.3 mgd.

3. City of Los Altos. This treatment plant is located in Section 5 of Township 6 South, Range 2 West, Santa Clara County. Treatment consists of screening, grit removal, and primary sedimentation; sludge digestion and lagooning. The average flow during the 1966-67 water year was 1.6 mgd.

4. Marin County Sanitary District No. 6 (Ignacio). This treatment plant is located in Section 29 of Township 3 North, Range 6 West, Marin County. Treatment consists of grinding, primary sedimentation, bio-filtration, secondary sedimentation,

and chlorination; sludge digestion and centrifuging. The average flow during the 1966-67 water year was 0.7 mgd.

5. City of Pinole. This treatment plant is located in Section 20 of Township 2 North, Range 4 West, Contra Costa County. Treatment consists of grinding, grit removal, pre-aeration and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.7 mgd.

6. Rodeo Sanitary District. This treatment plant is located in Section 11 of Township 2 North, Range 4 West, Contra Costa County. Treatment consists of grinding, grit removal, pre-aeration and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.6 mgd.

7. Valley Community Services District. This treatment plant is located in Section 6 of Township 3 South, Range 1 East, Alameda County. Treatment consists of prechlorination, grinding, pre-aeration, grit removal, primary sedimentation, aeration, secondary sedimentation, chlorination and foam fractionation; sludge digestion and lagooning. The average flow during the 1966-67 water year was 1.3 mgd.

In the Central Coastal Water Quality Control Board Region (No. 3) the additional dischargers are:

1. Bear Creek Estates. This treatment plant is located in Section 12 of Township 9 South, Range 2 West, Santa Cruz County. Treatment is by a small activated sludge plant. Effluent is disposed of by spray irrigation. The average daily flow is approximately 30,000 gallons per day.

2. Chular County Sanitation District. This treatment plant is located in Section 9 of Township 16 South, Range 4 East, Monterey County. Treatment consists of screening and ponding. The average daily flow is 30,000 gallons per day.

3. Tres Pinos County Water District. This treatment plant is located in Section 20 of Township 13 South, Range 6 East, San Benito County. The only treatment is ponding. The average daily flow is estimated to be 100,000 gallons per day.

4. Western Pacific Sanitation Company (Toro Park Estates). This treatment plant is located in Section 18 of Township 15 South, Range 1 East, Monterey County. Treatment consists of screening, grinding, and aerated ponding. The average daily flow is 30,000 gallons per day.

DEFINITIONS

The following terms are defined for use in this appendix:

Sewage. Any and all waste substances, liquid or solid, associated with human habitation, or which contain or may be contaminated with human or animal excreta or excrement, offal, or any feculent matter. (Section 13005 of the Water Code.)

Other Waste. Any and all liquid or solid waste substances (not sewage) from any producing, manufacturing, or processing operation of whatever nature. (Section 13005 of the Water Code.)

Waste Water. Water containing sewage, other waste, or any combination thereof.

Sewerage System. A system for collecting, transporting, pumping, treating, and disposing of sewage and other wastes.

Reclaimed Waste Waters. Waters containing sewage or other waste which have been treated or otherwise purified to enable direct beneficial reuse or to allow reuse that would not otherwise occur. (Section 13005.1 of the Water Code.)

Primary Sewage Treatment. Treatment in a sewage treatment plant, which removes by sedimentation and flotation, a large portion of suspended matter, but little or no colloidal and dissolved matter. May be the first step in a major sewerage system or the total process in smaller sewerage systems.

Secondary Sewage Treatment. Treatment of sewage by biological methods which follows primary treatment and which accomplishes further stabilization of organic matter.

TABLE F-1

SUMMARY OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA

Water Quality Control Board Region	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67	
	No. Plants	Volume Discharged (AF)	No. Plants	Volume Discharged (AF)	No. Plants	Volume Discharged (AF)

Total Volumes

1	6	11,500	6	13,000	6	13,200
2	58	532,900	58	588,100	58	596,000
3	<u>29</u>	<u>37,800</u>	<u>29</u>	<u>42,500</u>	<u>29</u>	<u>42,700</u>
Total	93	582,200	93	643,600	93	651,900

Discharged to Ocean or Tidal Water

1	0	0	0	0	0	0
2	48	513,700	48	565,500	48	572,500
3	<u>8</u>	<u>20,000</u>	<u>8</u>	<u>23,500</u>	<u>8</u>	<u>23,500</u>
Total	56	533,700	56	589,000	56	596,000

Discharged to Fresh Water

1	5	10,900	5	12,400	5	12,600
2	7	14,700	7	17,800	7	18,700
3	<u>8</u>	<u>9,500</u>	<u>8</u>	<u>10,100</u>	<u>8</u>	<u>10,400</u>
Total	20	35,100	20	40,300	20	41,700

Discharged to Land

1	1	600	1	600	1	600
2	3	4,500	3	4,800	3	4,800
3	<u>13</u>	<u>8,300</u>	<u>13</u>	<u>8,900</u>	<u>13</u>	<u>8,800</u>
Total	17	13,400	17	14,300	17	14,200

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	
North Coastal Water Quality Control Board Region (No. 1)							
City of Cloverdale	0.6	670	0.6	670	0.6	670	Russian River
City of Healdsburg	0.6	670	0.6	670	0.6	670	Dry Creek
Mendocino State Hospital	0.5	560	0.5	560	0.5	560	Land
City of Santa Rosa	6.3	7,060	7.4	8,290	7.6	8,510	Santa Rosa Creek
City of Sebastapol	0.3	450	0.3	450	0.3	450	LaGuna de Santa Rosa
	0.7*		0.7*		0.7*		
City of Ukiah	<u>1.9</u>	<u>2,130</u>	<u>2.1</u>	<u>2,350</u>	<u>2.1</u>	<u>2,350</u>	Russian River
TOTAL	10.2	11,540	11.5	12,990	11.7	13,210	

*During canning season for 3 months only.

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66			Fiscal Year 1966-67			Water Year 1966-67		
	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Discharged to

San Francisco Bay Water Quality Control Board Region (No. 2)

City of Benicia	0.5	560	0.5	560	0.5	560	0.5	560	Carquinez Strait
City of Burlingame	2.6	2,910	3.6	4,030	3.6	4,030	3.6	4,030	San Francisco Bay
C and H Sugar Refinery	44.4	49,700	44.4	49,700	44.4	49,700	44.4	49,700	Carquinez Strait
Central Contra Costa Sanitary District	14.8	16,600	19.9	22,300	20.3	22,700	20.3	22,700	Suisun Bay
Contra Costa Sanitary District No. 7A	0.8	1,900	0.8	900	0.8	900	0.8	900	Suisun Bay
City of Concord	3.9	4,370	4.7	5,260	5.0	5,600	5.0	5,600	Walnut Creek
Crockett-Valona Sanitary District	0.3	340	0.3	340	0.3	340	0.3	340	Carquinez Strait
East Bay Municipal Utility District	76.4	85,600	85.3	95,500	85.8	96,100	85.8	96,100	San Francisco Bay
Fairfield-Suisun Sewer District	2.9	3,250	3.5	3,920	3.5	3,920	3.5	3,920	Suisun Slough
City of Hayward	9.0	10,100	10.5	11,800	10.3	11,500	10.3	11,500	San Francisco Bay
Las Gallinas Valley Sanitary District	1.5	1,680	2.3	2,580	2.5	2,800	2.5	2,800	Miller Creek
City of Livermore	2.6	2,910	2.6	2,910	2.6	2,910	2.6	2,910	Land
City of Los Altos	1.1	1,230	1.5	1,680	1.6	1,800	1.6	1,800	San Francisco Bay
Marin County Sanitary District No. 1	4.6	5,150	5.6	6,270	5.8	6,500	5.8	6,500	San Francisco Bay
Marin County Sanitary District No. 6 - Novato	1.9	2,130	2.2	2,460	2.3	2,580	2.3	2,580	Novato Creek
- Ignacio	0.7	780	0.7	780	0.7	780	0.7	780	San Pablo Bay

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	
San Francisco Bay Water Quality Control Board Region (No. 2) (Continued)							
City of Martinez	1.2	1,340	1.3	1,460	1.3	1,460	Carquinez Strait
Menlo Park Sanitary District	4.5	5,040	4.9	5,490	4.9	5,490	San Francisco Bay
City of Mill Valley	1.8	2,020	2.1	2,350	2.1	2,350	Richardson Bay
City of Milbrae	1.6	1,790	1.8	2,020	1.8	2,020	San Francisco Bay
Milpitas Sanitary District	2.2	2,460	2.2	2,460	2.2	2,460	Coyote Creek
City of Mountain View	4.9	5,490	5.5	6,160	5.6	6,270	San Francisco Bay
Mountain View Sanitary District	0.6	670	0.6	670	0.7	780	Carquinez Strait
Napa Sanitation District	5.3	5,940	5.2	5,820	5.3	5,940	Napa River
North San Mateo County Sanitation District	3.8	4,260	4.0	4,480	3.7	4,140	Pacific Ocean
Oro Loma Sanitary District	11.7	13,100	12.9	14,400	13.3	14,900	San Francisco Bay
City of Pacifica							
Sharp Park Plant	0.8	900	1.0	1,120	1.0	1,120	Pacific Ocean
Linda-Mar Plant	1.1	1,230	1.2	1,340	1.4	1,570	Pacific Ocean
City of Palo Alto	10.2	11,400	12.0	13,400	12.4	13,900	San Francisco Bay
City of Petaluma	1.6	1,790	1.9	2,130	2.0	2,240	Petaluma River
City of Pinole	0.6	670	0.7	780	0.7	780	San Pablo Bay
City of Pleasanton	0.5	560	0.8	900	0.8	900	Land and Irrigation
City of Redwood City	6.0	6,720	6.8	7,620	6.9	7,730	San Francisco Bay
City of Richmond	9.3	10,400	10.2	11,400	10.1	11,300	San Francisco Bay
Rodeo Sanitary District	0.5	560	0.6	670	0.6	670	San Pablo Bay
Cities of San Carlos-Belmont	3.7	4,140	4.6	5,150	5.0	5,600	San Francisco Bay

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	

San Francisco Bay Water Quality Control Board Region (No. 2) (Continued)

City and County of							
San Francisco	1.0 ^{1/}	1,000	1.0 ^{1/}	1,000	1.0 ^{1/}	1,000	Landscape Irrigation
McQueen Plant	54.2	60,700	58.8	65,900	59.4	66,500	San Francisco Bay
North Point Plant	17.6	19,700	19.3	21,600	19.7	22,100	Pacific Ocean
Richmond-Sunset Plant	19.1	21,400	19.7	22,100	19.6	22,000	San Francisco Bay
Southeast Plant	61.9	69,300	67.4	75,500	68.9	77,200	San Francisco Bay
City of San Jose							
City of San Leandro							
Domestic Plant	3.9	4,370	4.1	4,590	4.0	4,480	San Francisco Bay
Industrial Plant	3.4	3,810	3.7	4,140	3.8	4,260	San Francisco Bay
City of San Mateo	8.2	9,020	10.2	11,200	10.6	11,700	San Francisco Bay
San Pablo Sanitary District	5.5 ^{2/}	6,160	6.2	6,940	6.6	7,390	San Pablo Bay
San Rafael Sanitation District	2.3 ^{2/}	2,580	2.7	3,020	2.7	3,020	San Francisco Bay
Sausalito-Marin City Sanitary District	1.5	1,680	1.8	2,020	1.8	2,020	San Francisco Bay
Shell Chemical Company							
Pittsburg Plant	14.0	16,000	14.0	16,000	14.0	16,000	Suisun Bay
Sonoma Valley County							
Sanitation District	1.7	1,900	2.2	2,460	2.2	2,460	Schell Slough

^{1/} 1 Mgd from mid-January through November.

^{2/} Estimated flow.

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Flow Rate of (N/gd)	Volume Dis- charged (AF)	Average Flow Rate of (N/gd)	Volume Dis- charged (AF)	Average Flow Rate of (N/gd)	Volume Dis- charged (AF)	

San Francisco Bay Water Quality Control Board Region (No. 2) (Continued)

Cities of South San Francisco and San Bruno	8.2	9,180	9.5	10,600	9.5	10,600	San Francisco Bay
Stege Sanitary District	3.7	4,140	4.1	4,590	4.2	4,700	San Francisco Bay
City of Sunnyvale	10.8	12,100	12.5	14,000	12.7	14,200	San Francisco Bay
Travis Air Force Base	1.2	1,340	1.2	1,340	1.2	1,340	Union Creek
Union Sanitary District							
Newark Plant No. 1	3.2	3,580	3.4	3,810	3.5	3,920	San Francisco Bay
Irvington Plant No. 2	4.8	5,380	5.0	5,600	5.0	5,600	San Francisco Bay
Alvarado Plant No. 3	0.9	1,010	1.2	1,340	1.2	1,340	San Francisco Bay
Vallejo Sanitation and Flood Control District	7.2	8,060	7.4	8,290	7.5	8,400	Carquinez Strait
Valley Community Services District	0.7	780	1.1	1,230	1.3	1,460	Alamo Canal
TOTAL	473.9	532,880	525.2	588,080	532.2	596,030	

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis- charge (AF)	Average Rate of Flow (Mgd)	Volume Dis- charge (AF)	Average Rate of Flow (Mgd)	Volume Dis- charge (AF)	
Central Coastal Water Quality Control Board Region (No. 3)							
Aptos County Sanitation District	0.4	450	0.4	450	0.4	450	Monterey Bay
Atascadero Sewer Maintenance District	<0.1	70	<0.1	70	<0.1	70	Land
Atascadero State Hospital	0.3	340	0.3	340	0.3	340	Land
Carmel Sanitary District	1.1	1,230	1.0	1,120	1.0	1,120	Monterey Bay
Castroville County Sanitation District	0.4	450	0.4	450	0.4	450	Tembladero Slough
East Cliff County Sanitation District	2.1 ^{1/}	2,350	2.3 ^{1/}	2,580	2.3 ^{1/}	2,580	Monterey Bay
City of Gilroy Domestic Industrial	0.9 4.5	1,000 ^{2/} 3,360 ^{2/}	1.0 4.6	1,100 ^{2/} 3,400 ^{2/}	1.0 4.6	1,100 ^{2/} 3,400 ^{2/}	Land
City of Gonzales	0.2 ^{1/}	220	0.2 ^{1/}	220	0.2 ^{1/}	220	Land
City of Greenfield	0.1	110	0.1	110	0.1	110	Land
City of Hollister Domestic Industrial	0.6 ^{1/} 2.8 ^{1/}	670 ^{1/} 1,250 ^{1/}	0.6 3.4	670 1,600	0.6 3.4	670 1,600	Land
City of King City	0.3 ^{1/}	340	0.4 ^{1/}	450	0.4 ^{1/}	450	Land, San Benito River
King City Airport	0.1 ^{1/}	110	0.1 ^{1/}	110	0.1	110	Salinas River
					0.1	110	San Lorenzo Creek

^{1/} Estimated flow.^{2/} Canning season April through November.

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	Average Rate of Flow (Mgd)	Volume Dis- charged (AF)	

Central Coastal Water Quality Control Board Region (No. 3) (Continued)

City of Monterey	2.4	2,690	2.7	3,020	2.7	3,020	Monterey Bay
City of Morgan Hill	0.4	450	0.4	450	0.4	450	Little Llagas Creek
City of Pacific Grove	1.6	1,790	1.5	1,680	1.6	1,790	Pacific Ocean
City of Paso Robles	0.8	900	0.8	900	0.8	900	Salinas River
Paso Robles School for Boys	<0.1	40	<0.1	40	<0.1	40	Land
City of Salinas	5.0 ^{1/}	5,600	5.4 ^{1/}	6,050	5.5 ^{1/}	6,160	Salinas River
Domestic Plant 1	1.0	1,120	1.0	1,120	1.2	1,340	Salinas River
Domestic Plant 2 (Alisal)	1.5 ^{1/}	1,100	1.5 ^{1/}	1,100	1.5 ^{1/}	1,100	Land
Industrial	0.1 ^{1/}	110	0.1 ^{1/}	110	0.1 ^{1/}	110	Land
City of San Juan Bautista	<0.1	<10	<0.1	<10	<0.1	<10	Land
San Miguel Sanitary District	3.7	4,140	6.7 ^{1/}	7,500	6.3 ^{1/}	7,060	Monterey Bay
City of Santa Cruz							
Seaside County Sanitation District	1.4	1,570	1.3	1,460	1.3	1,460	Monterey Bay
Soledad State Prison	0.5	560	0.5	560	0.5	560	Salinas River
City of Soledad	0.1 ^{1/}	110	0.1 ^{1/}	110	0.1 ^{1/}	110	Land
City of Watsonville	5.1	5,710	5.1	5,710	5.3	5,940	Monterey Bay
TOTAL	37.7	37,850	42.2	42,490	42.4	42,720	

^{1/} Estimated flow.

^{2/} Canning season April through November.

TABLE F-3

SUMMARY OF WASTE WATER RECLAIMED
CENTRAL COASTAL AREA

Water Quality Control Board Region	Fiscal Year 1965-66 Volume Reclaimed (AF)	Fiscal Year 1966-67 Volume Reclaimed (AF)	Water Year 1966-67 Volume Reclaimed (AF)
1	900	900	900
2	3,600	4,100	4,000
3	<u>700</u>	<u>700</u>	<u>700</u>
TOTAL	5,200	5,700	5,600

QUANTITIES OF WASTE WATER RECLAIMED
CENTRAL COASTAL AREA

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		
	Volume Discharged (AF)	Volume Reused (AF)	Volume Discharged (AF)	Volume Reused (AF)	Volume Discharged (AF)	Volume Reused % of Total	
<u>North Coastal Water Quality Control Board Region (No. 1)</u>							
City of Healdsburg	670	24	670	24	670	24	
Mendocino State Hospital	560	560	560	560	560	100	
City of Santa Rosa	7,060	70	8,290	70	8,510	70	
City of Sebastopol	390	240	450	240	450	53	
City of Ukiah	2,130	11	2,350	11	2,350	11	
TOTAL		905		905	12,540	905	
<u>San Francisco Bay Water Quality Control Board Region (No. 2)</u>							
East Bay Municipal Utility District	85,600	1,020	95,500	1,170	96,100	980	
City of Livermore	2,910		2,910	90	2,910	150	
City of Palo Alto	11,400	40	13,400	40	13,900	40	
City of Pleasanton	520	520	850	850	900	100	
Golden Gate Park	1,000	1,000	1,000	1,000	1,000	100	
Travis Air Force Base	1,340	870	1,340	900	1,340	900	
Valley Community Services District	780	150	1,230	20	1,460	20	
TOTAL		3,600		4,070	117,610	3,990	
<u>Central Coastal Water Quality Control Board Region (No. 3)</u>							
Carmel Sanitary District	1,230	600	1,120	600	1,120	600	
City of Greenfield	110	20	110	20	110	20	
Soledad State Prison	560	65	560	65	560	65	
TOTAL		685		685	1,790	685	

TABLE F-5
ANALYSES OF WASTE WATER
PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH Field Lab	Specific conduc- tance (micro- mhos at 25°C)	Mineral constituents milligrams per liter (ppm) equivalents per million										Silica (SiO ₂) (ppm)	TDS mg/l (ppm)	Hardness as CaCO ₃ mg/l (ppm)	Per- cent Sodi- um	
						Col- cium (Ca)	Magne- sium (Mg)	Sodi- um (Na)	Ammo- nium (NH ₄)	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sulf- ate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Boron (B)					Flo- ride (F)
						NORTH COASTAL REGION (NO. 1)														
City of Cloverdale	10-27-65	24 Hour	0.2	7.5	618	2.78 _a	56	2.35					33	14.2	0.7	372	169	44		
	4-12-66	24 Hour	0.8	7.3	402	2.22 _a	28	1.22					19	23.9	0.2	252	113	35		
City of Healdsburg	10-27-65	24 Hour	0.5*	7.0	595	2.76 _a	53	2.30					36	19.5	0.6	368	163	44		
	4-12-66	24 Hour	0.6	7.5	856	2.74 _a	50	2.18					38	11.5	0.6	438	222	33		
Mendocino State Hospital	10-26-65	24 Hour	0.3	8.1	514	3.32 _a	40	1.77					24	23.0	0.2	316	167	34		
	10-27-65	24 Hour	5.9	7.8	995	3.42 _a	93	4.02					96	0.9	0.7	486	172	54		
City of Santa Rosa West College Avenue Plant	4-13-66	24 Hour	7.0	7.5	907	4.00 _a	3.09	3.09					84	0.9	0.2	458	200	44		
	11-2-65	24 Hour	0.4	7.7	1020	2.74 _a	1.18	5.13					100	0.6	0.6	560	167	64		
City of Sebastopol	4-13-66	24 Hour	0.4*	7.4	836	2.80 _a	59	2.57					60	0.9	0.6	434	160	48		
	10-26-65	24 Hour	1.2	7.2	624	2.70 _a	55	2.39					32	10.1	0.4	358	125	49		
City of Ukiah	4-11-66	24 Hour	1.9	7.5	453	2.72 _a	33	1.74					27	16.4	0.1	290	121	37		
													0.76							
SAN FRANCISCO BAY REGION (NO. 2)																				
City of Burlingame	9-27-67	6 Hour	2.2	7.3	821	1.96 _a	62	2.70					107	0.9	0.5	475	98	58		
	0900-1500												3.02	0.01						
C and H Sugar Refinery	1-20-66	24 Hour	0.6	6.8	12500	25.53 _a	2110	81.78					3680	0.9	1.1	7430	1280	78		
													103.81	0.01						
Central Contra Costa Sanitary District	1-17-66	24 Hour	17.2	7.4	1220	4.40 _a	118	5.13					125	1.8	1.0	610	220	54		
													3.53	0.03						

* Estimated Flow
* Sum of Calcium and Magnesium in ppm

TABLE F-5
ANALYSES OF WASTE WATER
PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH	Specific conduc- tivity (micro- mhos at 25°C)	Mineral constituents milligrams per liter (ppm)										TDS mg/ l (ppm)	Hardness as CaCO ₃ mg/l (ppm)	Per- cent Total Sum		
						Calcium (Ca)	Magne- sium (Mg)	Sodi- um (Na)	Potas- sium (K)	Ammonia (NH ₄)	Carbon- dioxide (CO ₂)	Bicar- bonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Ni- trate (NO ₃)				Boron (B)	Fluor- ide (F)
East Bay Municipal Utility District	1-18-66	24 Hour	85.6	7.1	1260	38	1.90	1.12	26				122	586	6.6	0.2		12	376	150
	2-1-65 thru 6-30-66	24 Hour	76.6	7.0		61.6	1.15	6.18	26				27.5	16.75	0.11					210
	7-1-65 thru 1-31-66	24 Hour	68.3	6.7		61	0.66	6.32	0.67					236						136
	8-1-66 thru 8-31-66	24 Hour	82.2	6.6		32	1.5							300	8.26			26		122
	9-1-66 thru 9-30-66	24 Hour	79.7	6.6		67	1.15						98	232				26		125
	10-1-66 thru 10-31-66	24 Hour	75.2	6.6		43	1.5							246	6.94			26		128
	12-1-66 thru 12-31-66	24 Hour	91.2	6.9		30	1.07						21	172				26		114
	1-1-67 thru 1-31-67	24 Hour	99.9	7.0		43	1.3						176	206				15		144
	3-1-67 thru 3-31-67	24 Hour	97.0	7.2		33	1.1						80	193	4.9			15		148
	4-1-67 thru 4-30-67	24 Hour	106.5	7.2		37	1.0	74					175	374	0.08			13		134
	5-1-67 thru 5-31-67	24 Hour	78.4	7.1		31	1.3	3.22					270	478	0.06			2		131
	6-1-67 thru 6-30-67	24 Hour	78.9	6.9		36	1.1						233	378	0.06			38		137
	7-1-66 thru 6-30-67	24 Hour	85.3	6.9	1139	36	1.1	74					89	220	2.1			21		139
	7-1-67 thru 7-31-67	24 Hour	74.8	6.8		37	1.5	3.22					175	670	0.11			6		142
	8-1-67 thru 8-31-67	24 Hour	78.8	6.4		30	1.3	6.08					80	223	3.5			2		142
	9-1-67 thru 9-30-67	24 Hour	82.7	6.6		34	1.5						68	220	0.06			22		142
						34	1.5						174	670	0.06			22		142

m Monthly Average
v Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH Field Lab	Specific conduc- tance (micro- mhos at 25°C)	Mineral constituents milligrams per liter (ppm)										TDS mg/l (ppm)	Hardness as CaCO ₃ mg/l (ppm) Total	Per- cent Sod- ium	
						Cal- cium (Ca)	Magne- sium (Mg)	Sodi- um (Na)	Potas- sium (K)	Ammo- nium (NH ₄)	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sulf- ate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)				Boron (B)
SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																			
City of Hayward	8-28-67	24 Hour	14.1	7.9	2640	7.05 _a	382 16.62	0	0	0	0	346 5.67	552 15.57	0.9 0.01					353
Las Gallinas Valley Sanitary District	1-18-66	24 Hour	1.9 _m	7.5	1000	3.10 _a	96 4.09	0	0	0	0	64 1.38	108 3.05	1.3 0.02					461
Milpitas Sanitary District	8-24-67	24 Hour	2.2 _y	7.1	760	102 4.44	102 4.44	0	0	0	0	0	217 0.79	277 0.87	0.79				55
Oro Loma Sanitary District	8-24-67	24 Hour	11.7 _m	7.3	1020	3.80 _a	92 4.69	0	0	0	0	338 5.54	88 2.48	0.6 0.01					190
City of Redwood City	9-27-67	24 Hour	6.1 _m	7.1	2010	4.52 _a	265 11.53	0	0	0	0	0	380 10.72	0.8 0.01		1.0			226
Cities of San Carlos and Belmont	9-27-67 0800-1500	7 Hour	5.3 _m	7.3	840	2.71 _a	81 3.52	0	0	0	0	0	113 3.19	3.5 0.05	0.7				439
City and County of San Francisco North Point Plant	8-30-67	24 Hour	56.1 _m	7.1	1430	3.34 _a	185 8.05	0	0	0	0	112 2.33	302 8.52	1.3 0.02					167
City and County of San Francisco Southeast Plant	8-30-67	24 Hour	16.2 _m	6.9	4100	9.45 _a	584 25.40	0	0	0	0	205 3.36	1090 28.21	1.3 0.02					473
City of San Jose	12-21-65	24 Hour	57.9	7.3	1600	5.35 _a	174 7.57	18 0.46	0	0	0	0	214 6.04	0		0.7			798
	7-20-66	24 Hour	69.1	7.6	1540	5.65 _a	178 7.74	0	0	0	0	0	188 5.30	0		0.8			835
	8-17-66	24 Hour	83.4	7.8	1450	5.51 _a	209 9.05	0	0	0	0	0	170 4.80	0.4 0.01		0.7			841
	11-2-66	24 Hour	62.0	7.7	1520	5.0 _a	187 8.13	23 0.59	0	0	0	0	206 5.81	3.5 0.6		0.7			788
	8-24-67	24 Hour	88.3	7.8	1600	5.34 _a	38 2.00	0	0	0	0	0	181 5.11	1.2 0.02					266

a Sum of Calcium and Magnesium in ppm
m Monthly Average
y Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH Field Lab	Specific conductance (micro- mhos at 25°C)	Mineral constituents milligrams per liter (ppm) equivalent per million										TDS mg/ l (ppm)	hardness as CaCO ₃ mg/l (ppm)	Per- cent Sod- ium	
						Cal- cium (Ca)	Magne- sium (Mg)	Sod- ium (Na)	Potas- sium (K)	Ammon- ium (NH ₄)	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sulf- ate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)				Bar- ium (Ba)
SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																			
City of San Mateo	9-5-67	24 Hour	8.6 _m	7.7	1830	5.29 _a	243 _a 10.57				0 _a 0.00	260 _a 4.24	391 _a 11.03		0.4 _a 0.01	0.4 _a 0.01			270 _a 66
Shell Chemical, Pittsburg Plant	2-24-66 1115	Grab	14 _m	7.7	824	2.44 _a	62 _a 2.70						56 _a 1.44		3.1 _a 0.05	0.0 _a 0.00			369 _a 122
Cities of South San Francisco and San Bruno	8-31-67	24 Hour	8.6 _m	7.9	4470	8.55 _a	628 _a 27.32				0 _a 0.00	310 _a 3.76	1020 _a 28.77		1.3 _a 0.02				430 _a 76
City of Sunnyvale	8-24-67	24 Hour	14.5 _m	7.1	1650	5.84 _a	170 _a 7.40				0 _a 0.00	266 _a 4.36	314 _a 8.86		1.4 _a 0.02				295 _a 56
Travis Air Force Base	1-18-66	24 Hour	1.2 _m	7.3	1440	3.53 _a	130 _a 6.03						113 _a 3.12		0.4 _a 0.01	1.4 _a 0.02			734 _a 277
Union Sanitary District (nearby Plant (No. 1))	8-24-67	24 Hour	3.6 _m	7.6	2000	7.51 _a	200 _a 8.70				0 _a 0.00	617 _a 6.75	382 _a 10.21		1.2 _a 0.02				376 _a 54
Union Sanitary District Alvarado Plant (No. 3)	8-24-67	24 Hour	1.3 _m	7.6	2390	7.83 _a	286 _a 12.40				0 _a 0.00	292 _a 4.78	292 _a 11.09		0.7 _a 0.01				392 _a 61

a Sum of Calcium and Magnesium in ppm
b Monthly Average
c Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH	Specific conductance (micro- mhos at 25°C)	Mineral constituents milligrams per liter (ppm)										TDS mg/l (ppm)	Hardness as CaCO ₃ mg/l (ppm)	Per- cent Sod- ium NC			
						Calc- cium (Ca)	Magne- sium (Mg)	Sod- ium (Na)	Ammo- nium (NH ₄)	Carbon- ate (CO ₃)	Bicar- bonate (HCO ₃)	Sulf- ate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Boron (B)				Fluo- ride (F)	Silica (SiO ₂)	
CENTRAL COASTAL REGION (NO. 3)																					
Aptos County Sanitation District	9-13-66	24 Hour	0.4	7.4	1200	3.9 ₈		104 4.52					128 3.61	0.4 0.01	0.6			634	198	53	
Carmel Sanitary District	9-10-66	24 Hour	1.3	7.2	909	2.7 ₆		67 2.91					80 2.26	0.9 0.01	0.5			409	138	51	
Castroville County Sanitation District	9-15-66	24 Hour	0.3	7.3	1660	4.2 ₀		134 5.83					204 5.75	1.3 0.02	0.7			710	210	58	
Chualar County Sanitation District	6- 2-67 0900	Grab	0.02	7.8	2560	8.9 ₇	8.8 ₅	223 9.70	2.3 0.06	0	629 11.13	298 6.20	302 8.52	0.0 0.00	0.0	1.2		1610	760	120	39
Fort Ord - Main Garrison	9-16-66	24 Hour	---	7.8	1190	2.44	2.12	92 4.22	1.1 0.46	0	319 5.23	92 1.92	135 3.81	1.1 0.02	0.6			626	229	46	
City of Gilroy - Domestic	9-16-66	24 Hour	0.6*	7.2	1060	4.3 ₈		101 4.39					100 2.82	0.4 0.01	0.6			554	226	49	
City of Gilroy - Industrial	9-22-66 1000	Grab	4.0*	7.4	1040	4.4 ₃		108 4.70					39 1.10	4.9 0.08	0.4			574	221	54	
City of Gonzales	9- 8-66 1630	Grab	0.2*	7.9	2350	8.7 ₃		282 12.27					618 11.79	0.9 0.01	1.2			1430	437	58	
City of Greenfield	9- 8-66 1330	Grab	0.2*	7.3	2510	12.1 ₇		235 10.22					352 10.07	0.0 0.00	0.6			1480	609	46	
City of Hollister - Domestic	9-15-66	24 Hour	0.6	7.4	3010	10.9 ₈		353 15.36					501 12.13	0.4 0.01	1.2			1630	549	58	
City of Hollister - Industrial	9-23-65 1600	Grab	5.0*	7.6	2440	2.6	53 2.37	677 20.75	82 2.10	0	746 12.23	199 4.1	118 3.33	0.0 0.00	0.0			2200	284	0	73
City of Hollister - Industrial	9-15-66 1305	Grab	6-6.5*	7.3	2440	7.6 ₈		388 16.88					141 5.98	4.0 0.06	1.0			1830	384	69	
City of King City	9- 6-66	24 Hour	0.4	7.3	1310	4.4 ₈		142 6.18					155 4.37	0.4 0.01	0.8			672	224	58	
City of King City - Airport	9- 6-66	24 Hour	0.1*	8.3	1660	8.8 ₃		176 7.60					173 4.88	5.71 0.21	1.2			1030	432	47	
City of Monterey	9- 9-66	24 Hour	2.4*	7.6	1520	3.2 ₂		198 8.01					242 6.83		0.5			700	166	72	
City of Morgan Hill	9-16-66	24 Hour	0.3	7.7	931	3.6 ₄		82 3.57					67 1.89	3.5 0.06	0.0			466	192	48	

* Estimated Flow
a Sum of Calcium and Magnesium in cpm

TABLE F-5

ANALYSES OF WASTE WATER

PART I

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	pH	Specific conductance (micro- mhos at 25°C)	Mineral constituents milligrams per liter (ppm)										TDS mg/l (ppm)	Hardness as CaCO ₃ mg/l (ppm)	Sedi- ment mg/l (ppm)			
						Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Phosphate (P)	Ammonium (NH ₄)	Carbonate (CO ₃)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)				Boron (B)	Fluoride (F)	Silica (SiO ₂)
CENTRAL COASTAL REGION (NO. 3) (CONT.)																					
City of Pacific Grove	9-10-66	24 Hour	1.5	7.2	1020	2,998	98	4,26						101	0.0	0.8			425	149	59
	6- 8-66	24 Hour	7.5	7.5	1550	7,13	158	6,87						217	11.1	0.4			890	358	49
	9- 8-66	24 Hour	7.7	7.4	1800	292	292	12,27						279	0.4	0.7			1000	390	61
City of Salinas Plant No. 2 (Alkali)	6- 8-66	24 Hour	1.08	7.4	1020	3,80	123	5,35						131	97.5	0.3			657	190	58
	9- 8-66	24 Hour	1.08	7.1	1060	3,60	112	4,87						140	12.0	0.4			584	180	57
City of Salinas - Industrial	6- 2-67 10/30	Grab	1.5	8.8	2000	141	70	178	14		51	381	324	228	0.2	0.4			1310	642	37
City of San Juan Bautista	6- 2-67 09/05	Grab	0.14	8.7	2510	139	35	206	13	39	420	620	674	643	0.0	0.9			1410	467	58
City of Santa Cruz	9-12-66	24 Hour	***	7.2	1870	4,92	289	13,31	70,33		1,30	6,98	178	12,89	0.00				960	246	68
Seaside County Sanitation District	9-10-66	24 Hour	1.3	7.7	1910	5,31	228	6,92						306	2.7	0.6			895	266	65
	9- 8-66 10/07	Grab	0.24	8.0	2260	11,71	224	7,74						353	0.0	0.8			1340	586	45
	9- 7-66	24 Hour	0.6	7.2	2450	5,84	308	16,01						574	1.8	0.4			1310	294	73
Soledad, California Correctional Training Facility	9-15-66 13/30	Grab	0.01*	9.5	5080	14,40	485	38,50						941	0.9	4.0			3170	721	73
Tulare County Water District	9-14-66	24 Hour	6.9	7.6	1180	4,14	137	5,46						165	0.0	0.2			601	205	59
City of Watsonville	9- 2-67 05/5	Grab	0.03	8.5	1340	30	18	194	19	11	315	52	32	193	0.1	1.2			822	148	71
Western Pacific Sanitation Company (Toro Park)						1,50	8,44	0,48				5,16	1,08	5,44	0.00						

* Estimated Flow

Sum of Calcium and Magnesium in ppm.

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (P S T)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)						Organics mg/l (ppm)				Nutrients mg/l (ppm)				Total phos- phate (PO ₄)
				Alumi- num (Al) (M)	Chrom- ium (Cr) (M)	Copper (Cu) (M)	Lead (Pb) (M)	Manga- nese (Mn) (M)	Zinc (Zn) (M)	Total iron (Fe) (M)	Surfact- ants (apparent) (SAS)	Gross material oil (C ₁₀ -C ₂₅)	Phenolic material (C ₆ -C ₁₀)	BOD (5 days)	Amma- nia (N)	Ni- trite (N)	Ni- trile (N)	
SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																		
East Bay Municipal Utility District	2-1-67 thru 2-28-67	24 Hour	83.0															
	3-1-67 thru 3-31-67	24 Hour	97.0	0.5														
	4-1-67 thru 4-30-67	24 Hour	100.5	0.7	0.2													
	5-1-67 thru 5-31-67	24 Hour	78.4	0.6	0.1													
	6-1-67 thru 6-30-67	24 Hour	78.9	0.1	0.1													
	7-1-67 thru 7-31-67	24 Hour	85.2	2.6	0.1													
	8-1-67 thru 8-31-67	24 Hour	74.9	2.9	0.1													
	9-1-67 thru 9-30-67	24 Hour	78.8	0.4	0.4													
	10-1-67 thru 10-31-67	24 Hour	82.2	10.8	0.1													
	11-1-67 thru 11-30-67	24 Hour	14.1															
City of Hayward Los Gullinas Valley Sanitary District	8-28-67	24 Hour	1.9															
	1-18-66	24 Hour	1.9															
	8-2-67	24 Hour	4.2															
	8-24-67	24 Hour	11.2															
	9-27-67	24 Hour	6.1															
	9-27-67	7 Hour	5.2															
	8-30-67	24 Hour	56.1															
	8-30-67	24 Hour	16.2															
	12-21-65	24 Hour	57.9															
	7-20-66	24 Hour	69.1															
Milpitas Sanitary District Oro Loma Sanitary District City of Redwood City City of San Carlos and Belmont City and County of San Francisco North Point Plant City and County of San Francisco Southwest Plant City of San Jose	8-17-66	24 Hour	83.4															
	8-17-66	24 Hour	83.4															
	8-17-66	24 Hour	83.4															
	8-17-66	24 Hour	83.4															
	8-17-66	24 Hour	83.4															
	8-17-66	24 Hour	83.4															
	8-17-66	24 Hour	83.4															
	8-17-66	24 Hour	83.4															
	8-17-66	24 Hour	83.4															
	8-17-66	24 Hour	83.4															
City of San Leandro - Belmont	7-23-67	Composite	4.4															
	7-23-67	Composite	4.4															
	7-23-67	Composite	4.4															
	7-23-67	Composite	4.4															
	7-23-67	Composite	4.4															
	7-23-67	Composite	4.4															
	7-23-67	Composite	4.4															
	7-23-67	Composite	4.4															
	7-23-67	Composite	4.4															
	7-23-67	Composite	4.4															

m Monthly Average
y Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Alum. num (Al)	Dr. sanic (As)	Chrom. (Cr6)	Copper (Cu)	Lead (Pb)	Manganese (Mn)	Zinc (Zn)	Total iron (Fe)	Organics mg/l (ppm) Phenolic and material (C ₆ H ₅ OH) (5 day)	Ammonia (N)	Nitrite (N)	Nitrate (N)	Organic and phosphoric (N)	Ortho phosphoric (PD ₄)	Total
SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																		
City of San Leandro - Domestic	8-2-67	Composite	4.0															
City of San Leandro - Industrial	7-25-67	Composite	3.4															
City of San Leandro - Industrial	8-2-67	Composite	4.2															
City of San Leandro - Domestic and Industrial	8-10-67	Composite	7.7															
City of San Mateo	9-5-67	24 Hour	8.6															
Shell Chemical, Pittsburg Plant	2-24-66 1115	Grab	1.4															
Cities of South San Francisco and San Bruno	8-31-67	24 Hour	8.9															
Stage Sanitary District	7-1-67 thru 9-30-67	Composite	3.7															
City of Sunnyvale	8-24-67	24 Hour	14.0															
Travis Air Force Base	1-18-66	24 Hour	1.2															
Union Sanitary District Newark Plant (No. 1)	8-24-67	24 Hour	3.0															
Union Sanitary District Alvarado Plant (No. 3)	8-24-67	24 Hour	1.0															

□ Monthly Average
□ Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (P.S.T.)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)						Organics mg/l (ppm)				Nutrients mg/l (ppm)					Total Dissolved Solids (Ppt)	
				Alum- inum (Al)	Ar- senic (As)	Chrom- ium (Cr)	Copper (Cu)	Lead (Pb)	Manga- nese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfact- ants (ABS)	Grease and oil (GSS)	Phenolic material (C ₆ H ₅ OH)	BOD (5 day)	Ammo- nia (N)	Organi- c (N)	Ni- tate (N)		
CENTRAL COASTAL REGION (NO. 3)																				
Aptos County Sanitation District	9-21-65	24 Hour	0.6												134					
	5-2-66	8 Hour	0.3												130					
	9-13-66	24 Hour	0.4												162			0.1	50	
	5-23-67	24 Hour	0.2												117					
	9-20-65	24 Hour	0.03												20					
Bear Creek Estates	9-12-66	24 Hour	0.03												100					
	9-17-65	24 Hour	1.2												175					
	5-12-66	24 Hour	0.8												119			0.2	37	
	9-16-66	24 Hour	1.2												118					
	5-18-67	24 Hour	1.1												83			0.3	50	
Castroville County Sanitation District	9-15-66	24 Hour	0.3												125					
	9-23-67	Grab	0.02																	
	9-21-65	24 Hour	1.8												175					
	5-2-66	8 Hour	2.2												235			0.3	45	
	9-13-66	24 Hour	1.1												191					
Fort Ord Main - Garrison City of Gilroy - Domestic	5-23-67	24 Hour	1.2												174			0.1	41	
	9-16-66	24 Hour	---												124					
	9-23-65	24 Hour	0.6*	0.12	0.00		0.13	0.01	0.05	0.15	1.1				160					
	5-18-66	24 Hour	0.6*												162			0.1	33	
	9-16-66	24 Hour	0.6*												89					
City of Gilroy - Industrial	5-31-67	24 Hour	0.3*												334			1.1	25	
	9-23-65	Grab	4.0*												516					
	9-22-66	Grab	4.0*												74			0.2	13	
	1000														34					
	9-13-65	Grab	0.2*																	
City of Gonzales	9-8-66	Grab	0.2*																	
	1630																			

* Estimated flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)						Organics mg/l (ppm)				Nutrients mg/l (ppm)				Total phos- phate (PO ₄)
				Alumi- num (Al) (Al)	Chro- mium (Cr) (Cr6)	Copper (Cu)	Lead (Pb)	Manga- nese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfact- ants (mgd) (ABS)	Phenolic material (C ₆ H ₅ OH)	BOD (5 day)	Ammo- nia (N)	Ni- trate (N)	Organic nitrogen (N)	Ammonia and organic (N)	
CENTRAL COASTAL REGION (NO. 3) (CONT.)																		
City of Greenfield	9-13-65	Grab	0.21										110					
	9-13-65	Grab	0.21								2.0		128		0.0		52	36
	9-13-65	Grab	0.21															
City of Hollister - Domestic	9-23-65	24 Hour	0.6										191					
	9-18-66	24 Hour	0.5										235					
	9-15-66	24 Hour	0.6								4.7		190		0.1		44	43
City of Hollister - Industrial	5-31-67	24 Hour	0.3*										160					
	9-23-65	Grab	5.0*										855		0			
	9-15-66	Grab	6-6.3*								0.2		860		0.9		40	12
City of King City	9-13-65	24 Hour	0.3										49					
	5-16-66	24 Hour	0.3*										53					
	9-16-66	24 Hour	0.4								0.9		62		0.1		29	42
City of King City Airport	5-16-67	24 Hour	0.4										144					
	9-13-65	24 Hour	0.1*										18		129	1.6		8.9
	9-16-66	24 Hour	0.1*										26					
City of Monterey	9-16-65	24 Hour	2.6										154					
	5-13-66	8 Hour	2.4										170					
	9-9-66	24 Hour	2.4*										177		0.4		31	33
City of Morgan Hill	9-21-66	24 Hour	2.5										160					
	5-17-67	24 Hour	2.8	0.33	0.00	0.18	0.03	0.01	0.39	0.64	0.3		160					
	5-22-67	24 Hour	2.8															
City of Pacific Grove	9-24-65	24 Hour	0.3										46					
	5-19-66	24 Hour	0.3*										74		0.8		29	52
	5-31-67	24 Hour	0.3*										30					
City of Pacific Grove	9-17-65	24 Hour	1.4										112		0.0		42	44
	9-10-66	24 Hour	1.5										173					
	5-18-67	24 Hour	1.6										104					

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date Time Sampled (P S T)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)						Organics mg/l (ppm)				Nutrients mg/l (ppm)				Total phos- phate (PO ₄)	
				Alum- inum (Al)	Ar- senic (As)	Chrom- ium (Cr+6)	Copper (Cu)	Lead (Pb)	Manga- nese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfact- ants (apparent) (ABS)	Grease and oil	Phenolic material (C ₆ H ₅ OH)	BOD	Ammo- nia (N)	Ni- trite (N)		Organic Ammonia (N)
Seaside County Sanitation District	9-16-65	24 Hour	1.5												152				
	5-10-66	8 Hour	1.3												165				
	9-10-66	24 Hour	1.3																
	9-21-66	24 Hour	1.4										0.6		167		0.4	44	42
	5-21-67	24 Hour	1.5												186				
City of Soledad	9-21-65	Grab	0.2*												39				
	9-8-66	Grab	0.2*										0.6		78		0.0	28	14
	1-6-67																		
Soledad, California Correctional Training Facility	9-14-65	24 Hour	0.6												94				
	5-16-66	24 Hour	0.5												95			16	36
	9-7-66	24 Hour	0.6										1.5		24		0.4		
	5-16-67	24 Hour	0.5												31				
		Grab	0.01*												> 100				
Tres Pinos County Water District	12-00																		
	9-35-66	Grab	0.01*										4.6		49		0.2		8.8
	1-30-67																		
City of Watsonville	9-22-65	24 Hour	5.8												241				
	5-11-66	24 Hour	5.4												168		0.2	15	11
	9-14-66	24 Hour	6.9										0.8		241				
	5-23-67	24 Hour	6.7												155				
		Grab	0.03												46				
Western Pacific Sanitation Company (Toro Park)	6-2-67	Grab	0.03																
	7-5-67																		

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
East Bay Municipal Utility District	7-1-65 thru 6-30-66	24 Hour	76.4 ^y	0.5 ^y	154 ^y	1164 ^y	371 ^y	
	7-1-66 thru 7-31-66	24 Hour	68.3 ^y	0.1 ^{m,a}	119 ^{m,c}	1218 ^{m,a}	448 ^{m,a}	
	8-1-66 thru 8-31-66	24 Hour	84.2 ^m	0.2 ^{m,a}	121 ^{m,a}	1393 ^{m,a}	464 ^{m,a}	
	9-1-66 thru 9-30-66	24 Hour	79.4 ^m	0.1 ^{m,a}	121 ^{m,a}	1036 ^m	429 ^m	
	10-1-66 thru 10-31-66	24 Hour	75.2 ^m	0.1 ^{m,a}	125 ^{m,a}	2142 ^{m,a}	606 ^{m,c}	
	11-1-66 thru 11-30-66	24 Hour	84.2 ^m	0.2 ^{m,c}	168 ^{m,c}	837 ^{m,a}	510 ^{m,a}	
	12-1-66 thru 12-31-66	24 Hour	91.2 ^m	0.3 ^{m,a}	183 ^{m,a}	1096 ^{m,c}	311 ^{m,c}	
	1-1-67 thru 1-31-67	24 Hour	98.9 ^m	0.4 ^{m,c}	176 ^{m,c}	1024 ^{m,c}	263 ^{m,a}	
	2-1-67 thru 2-28-67	24 Hour	84.6 ^m	0.6 ^{m,c}	176 ^{m,c}	1052 ^{m,c}	278 ^{m,c}	
	3-1-67 thru 3-31-67	24 Hour	97.0 ^m	0.3 ^{m,c}	140 ^{m,c}	912 ^{m,a}	352 ^{m,a}	
	4-1-67 thru 4-30-67	24 Hour	106.5 ^m	0.4 ^{m,c}	142 ^{m,c}	920 ^{m,a}	318 ^{m,a}	
	5-1-67 thru 5-31-67	24 Hour	78.4 ^m	0.4 ^{m,c}	156 ^{m,c}	1132 ^{m,c}	396 ^{m,a}	
	6-1-67 thru 6-30-67	24 Hour	78.4 ^m	0.2 ^{m,a}	118 ^{m,c}	1161 ^{m,c}	385 ^{m,a}	
	7-1-67 thru 7-31-67	24 Hour	85.3 ^y	0.3 ^{y,c}	145 ^{y,c}	817 ^{m,c}	267 ^{m,c}	
		24 Hour	75.8 ^m	0.1 ^{m,c}	112 ^{m,c}			

^m Correlation Unreported Sludge
^y Monthly Average
^y Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mg d)	Settleable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
East Bay Municipal Utility District (Cont.)	8-1-67 thru 8-31-67	24 Hour	78.0 _m	0.1 _{m,c}	1.1 _{m,c}	8.3 _{m,c}	38.3 _{m,c}	Pesticides: Complex chlorinated compounds as DDT = 3500 ppt Heptachlor, Dieldrin, ppDDD, and ppDDT present
	9-1-67 thru 9-30-67	24 Hour	82.7 _m	0.3 _{m,c}	13 _{m,c}	105 _{m,c}	49 _{m,c}	
City of San Jose	7-20-66	Effluent 24 Hour	69.1					Pesticides: Chlorinated compounds as DDT = 40000 ppt
	8-1-66 1100	Influent Grab	71.5					Pesticides: Complex chlorinated compounds as DDT = 4700 ppt
	8-17-66	Influent 24 Hour	83.4					Pesticides: Unknown as DDT = 400 ppt Unknown as DDT = 170 ppt Heptachlor Epoxide = 100 ppt Dieldrin = 38 ppt ppDD = 37 ppt
	8-31-66	Influent 24 Hour	85.2					Pesticides: Complex chlorinated compounds as DDT = 58000 ppt
	9-21-66	Influent 24 Hour	79.2					Pesticides: Complex chlorinated compounds as DDT = 5840 ppt
	9-21-66	Effluent 24 Hour	79.2					Pesticides: Complex chlorinated compounds as DDT = 1500 ppt
	10-5-66	Effluent 24 Hour	71.6					Pesticides: Complex chlorinated compounds as DDT = 1900 ppt
	10-19-66	Influent 24 Hour	65.2					Pesticides: Complex chlorinated compounds as DDT = 2900 ppt
	11-2-66	Influent 24 Hour	62.0					

c Contains Digested Sludge
m Monthly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
City of San Jose (Cont.)	11-17-66	Influent 24 Hour	58.6					
	11-17-66	Disinfectant Residual Grab						Pesticides - Complex chlorinated compounds as DDT = 23000 ppt
	11-17-66	Effluent 24 Hour	58.6					Pesticides - Unknown as DDT = 23000 ppt
	7-25-67	Composite	4.4	0.1	48			Pesticides - BHC like = 85 ppt
	8-2-67	Composite	4.0	0.1	88			
City of San Leandro - Domestic	7-25-67	Composite	3.4	0.0	52			
City of San Leandro - Industrial	8-2-67	Composite	4.2	0.0	84			
City of San Leandro - Domestic and Industrial	8-10-67	Composite	7.2	0.1	92			
Sege Sanitary District	7-1-65 thru 6-30-66	Grab and Composite	3.7	0.7	83	1559		
	7-1-66 thru 6-30-67	Grab and Composite	4.2	0.5	82	1517		
(ENTRAL COASTAL REGION (NO. 3))								
Aptos County Sanitation District	9-21-65	24 Hour	0.4	0.1	92			
	5-9-66	8 Hour	0.3	1.0	110			
	9-13-66	24 Hour	0.4	0.1	114			
	5-23-67	24 Hour	0.3	< 0.1	78			
Bear Creek Estuary	9-20-65	24 Hour	0.09	< 0.1	21			
	9-12-66	24 Hour	0.09	40	168			

Y Yearly Average

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (p.s.t.)	Type of Sample	Flow (mg d)	Settleable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
Carmel Sanitary District	9-17-65	24 Hour	1.0	< 0.1	70	CENTRAL COASTAL REGION (MO. 3) (CONT.)		
	5-12-66	8 Hour	0.8	0.5	102			
	9-10-66	24 Hour	1.3	0.1	52			
	5-18-67	24 Hour	1.1	0.1	72			
	9-23-65	24 Hour	0.4	0.1	74			
Castroville County Sanitation District	9-15-66	24 Hour	0.3	0.2	112			
	6-22-67 Grab	Grab	0.02	< 0.1	70			
Chualar County Sanitation District	9-21-65	24 Hour	1.8	0.1	148			
	5-9-66	8 Hour	2.2	0.1	172			
	9-13-66	24 Hour	1.4	0.3	138			
	5-23-67	24 Hour	1.3	< 0.1	132			
	9-16-66	24 Hour	--	< 0.1	72			
Fort Ord Main - Garrison City of Gilroy - Domestic	9-23-65	24 Hour	0.6*	1.5	108			
	5-19-66	24 Hour	0.6*	3.5	138			
	9-16-66	24 Hour	0.6*	0.4	98			
	5-31-67	24 Hour	0.3*	1.2	74			
	9-23-65 1330	Grab	4.0*	18	618			
City of Gilroy - Industrial	9-22-66 1000	Grab	4.0*	55	350			
	9-13-65 1030	Grab	0.2*	0.5	227			
	9-8-66 1630	Grab	0.2*	< 0.1	92			
City of Gonzales								

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
City of Greenfield	9-13-65 1100	Grab	0.24	< 0.1	247	CENTRAL COASTAL REGION (No. 3) (CONT.)		
	9-18-66 1530	Grab	0.27	1.0	204			
	9-23-65	24 Hour	0.6	< 0.1	106			
City of Hollister - Domestic	5-18-66	24 Hour	0.5	1.0	116			
	9-13-66	24 Hour	0.6	1.0	150			
	5-31-67	24 Hour	0.5*	0.5	98			
City of Hollister - Industrial	9-23-65 1400	Grab	5.0*	200	536	Pesticides: ppbms - 3.8 ppb - 2.5 ppb - 2.06 ppb - 2.06 ppb		
	9-13-66 1355	Grab	66.6 5*	1.8	512			
	9-13-65	24 Hour	0.3	0.5	55			
City of King City	5-18-66	24 Hour	0.3*	1.5	92			
	9-4-66	24 Hour	0.4	0.7	88			
	5-16-67	24 Hour	0.5	0.5	148			
City of King City - Airport	9-13-65	24 Hour	0.1*	0.1	20			
	9-6-66	24 Hour	0.1*	0.1	48			
	9-16-65	24 Hour	2.6	0.1	70			
City of Monterey	5-13-66	8 Hour	2.4	0.1	70			
	9-21-66	24 Hour	2.5	0.1	94			
	5-22-67	24 Hour	2.8	< 0.1	124			

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mg/d)	Settleable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
City of Morgan Hill	9-24-65	24 Hour	0.3	< 0.1	19	CENTRAL COASTAL REGION (NO. 3) (CONT.)		
	5-19-66	24 Hour	0.3*	0.5	46			
	9-16-66	24 Hour	0.3	< 0.1	4			
	5-31-67	24 Hour	0.3*	0.9	44			
City of Pacific Grove	9-17-65	24 Hour	1.4	< 0.1	90			
	5-11-66	8 Hour	1.3	0.1	106			
	9-10-66	24 Hour	1.5	0.1	94			
	5-18-67	24 Hour	1.6	0.1	60			
City of Salinas - Plant No. 1	9-15-65	24 Hour	5.0*	0.1	56			
	6-8-66	24 Hour	7.5	0.0	24			
	9-8-66	24 Hour	7.7	0.4	46			
	6-1-67	24 Hour	6.4	0.4	24			
City of Salinas - Plant No. 2 (Animal)	9-14-65	24 Hour	1.0*	0.1	20			
	6-8-66	24 Hour	1.0*	0.0	20			
	9-8-66	24 Hour	1.0*	< 0.1	6			
	6-1-67	24 Hour	1.0	0.1	34			
City of Salinas - Industrial	6-2-67 0930	Grab	1.5	0.0	8			
City of San Juan Bautista	5-11-66 0800	Grab	0.1*	0.2	38			
	6-1-67 0900	Grab	0.1*	< 0.1	104			

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)	Remarks
CENTRAL COASTAL REGION (NO. 3) (CONT.)								
City of Santa Cruz	9-20-65	24 Hour	3.9	0.7	147			
	5-9-66	24 Hour	2.8	3.0	166			
	9-12-66	24 Hour	--	0.2	136			
	5-23-67	24 Hour	5.2	1.0	216			
Seaside County Sanitation District	9-16-65	24 Hour	1.	< 0.1	88			
	5-10-66	8 Hour	1.3	0.8	140			
	9-21-66	24 Hour	1.1	0.2	144			
	5-21-67	24 Hour	1.	< 0.1	156			
City of Soledad	9-21-65	Grab	0.2*	< 0.1	81			
	1-13-66	Grab	0.2*	0.3	150			
Soledad, California Correctional Training Facility	9-8-66	24 Hour	0.6	0.1	16			
	9-14-65	24 Hour	0.5	1.0	100			
	5-16-66	24 Hour	0.6	0.1	12			
	9-7-66	24 Hour	0.5	0.3	52			
Tres Pinos County Water District	5-16-67	24 Hour	0.01	0.2	124			
	9-23-65	Grab	0.01	0.1	104			
	1-20-66	Grab	0.01	0.1	102			
	9-15-66	24 Hour	5.8	0.1	78			
City of Watsonville	9-22-65	24 Hour	5.4	1.0	110			
	5-11-66	24 Hour	6.4	0.7	86			
Western Pacific Sanitation Company (Toro Park)	9-14-66	24 Hour	6.7	1.0	80			
	5-23-67	Grab	0.03	0.1				
New Plant Under Construction, flow meter not in operation								

* Estimated Flow

FIGURE F-1

LOCATION OF WASTE DISCHARGERS
CENTRAL COASTAL AREA

Figure F-1 Sheet 3 of 6 - Southern Portion of North Coastal Region (No. 1)

<u>No.</u>	<u>Discharger</u>	<u>No.</u>	<u>Discharger</u>
1	City of Cloverdale	4	City of Santa Rosa
2	City of Healdsburg	5	City of Sebastopol
3	Mendocino State Hospital	6.	City of Ukiah

Figure F-1 Sheet 4 of 6 - San Francisco Bay Region (No. 2)

7	City of Benicia	32	Oro Loma Sanitary District
8	City of Burlingame	33	City of Pacifica, Sharp Park Plant
9	C and H Sugar Refinery	34	City of Pacifica, Linda Mar Plant
10	Central Contra Costa Sanitary District	35	City of Palo Alto
11	Contra Costa Sanitary District No. 7A	36	City of Petaluma
12	City of Concord	37	City of Pinole
13	Crockett-Valona Sanitary District	38	City of Pleasanton
14 E	East Bay Municipal Utility District	39	City of Redwood City
15	Fairfield-Suisun Sewer District	40	City of Richmond
16	City of Hayward	41	Rodeo Sanitary District
17	Las Gallinas Valley Sanitary District	42	Cities of San Carlos-Belmont
18	City of Livermore	43	City and County of San Francisco, McQueen Plant
19	City of Los Altos	44	City and County of San Francisco, North Point Plant
20	Marin County Sanitary District No. 1	45	City and County of San Francisco, Richmond-Sunset Plant
21	Marin County Sanitary District No. 6 Ignacio	46	City and County of San Francisco, Southeast Plant
22	Marin County Sanitary District No. 6 Novato	47	City of San Jose
23	City of Martinez	48	City of San Leandro, Domestic and Industrial
24	Menlo Park Sanitary District	49	City of San Mateo
25	City of Mill Valley	50	San Pablo Sanitary District
26	City of Millbrae	51	San Rafael Sanitation District
27	Milpitas Sanitary District	52	Sausalito-Marín City Sanitary District
28	City of Mountain View	53	Shell Chemical Company, Pittsburg Plant
29	Mountain View Sanitary District	54	Sonoma Valley County Sanitation District
30	Napa Sanitation District		
31	North San Mateo County Sanitation District		

FIGURE F-1

LOCATION OF WASTE DISCHARGERS
CENTRAL COASTAL AREA (Continued)

Figure F-1 Sheet 4 of 6 - San Francisco Bay Region (No. 2) (Continued)

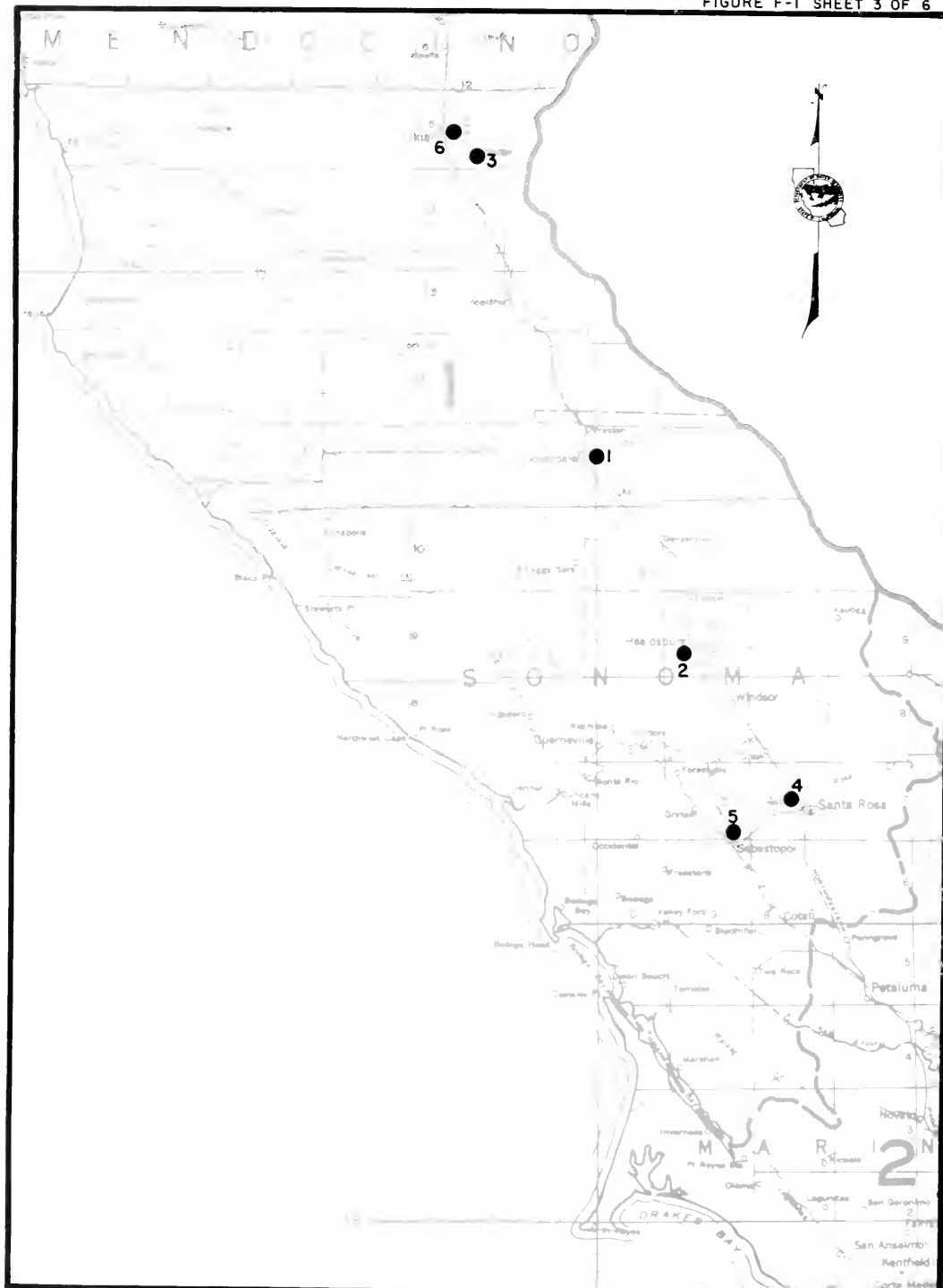
<u>No.</u>	<u>Discharger</u>	<u>No.</u>	<u>Discharger</u>
55	Cities of South San Francisco and San Bruno	60	Union Sanitary District, Irvington Plant No. 2
56	Stege Sanitary District	61	Union Sanitary District, Alvarado Plant No. 3
57	City of Sunnyvale	62	Vallejo Sanitation and Flood Control District
58	Travis Air Force Base	63	Valley Community Services District
59	Union Sanitary District, Newark Plant No. 1		

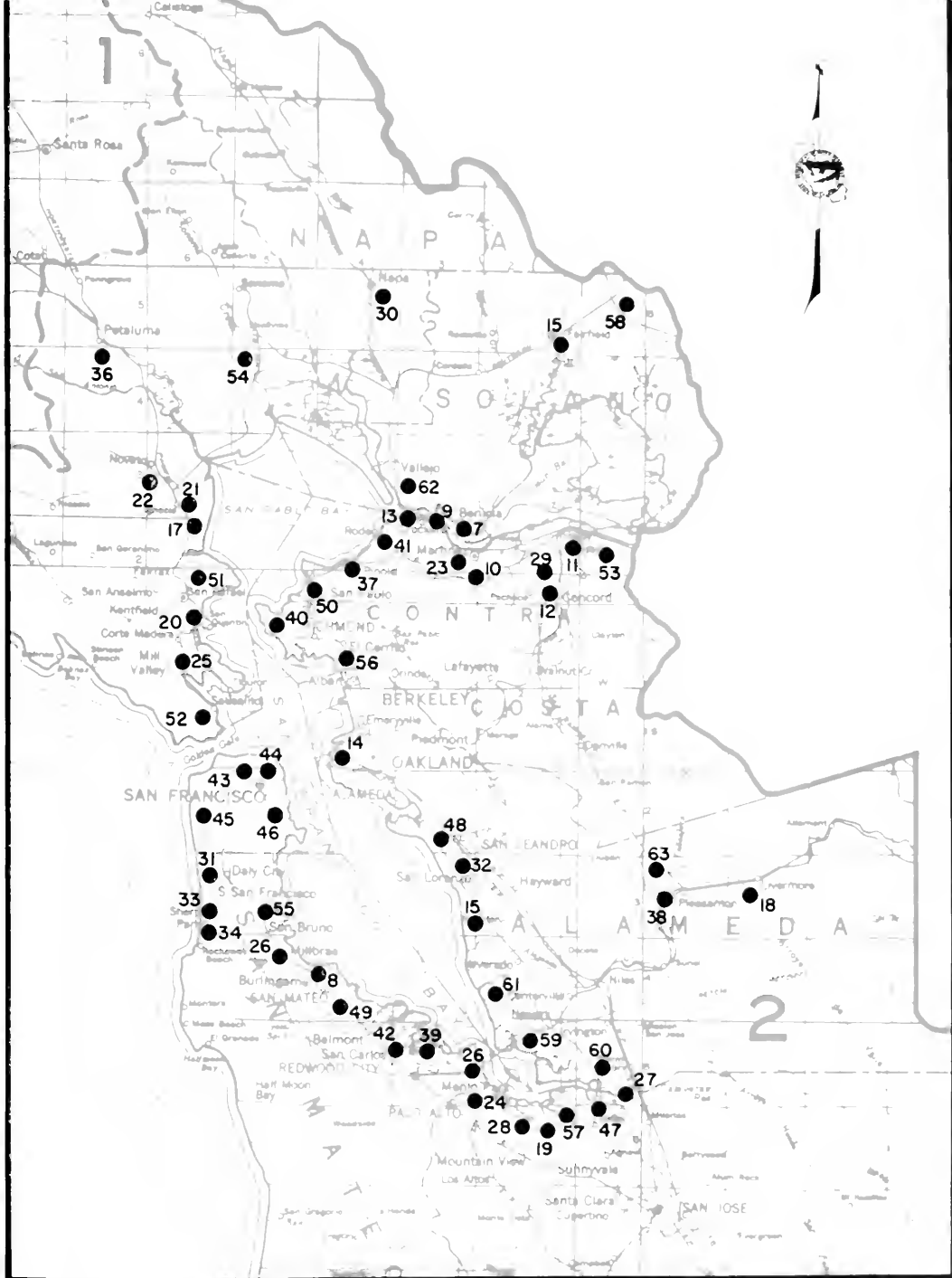
Figure F-1 Sheet 5 of 6 - Northern Portion of Central Coastal Region (No. 3)

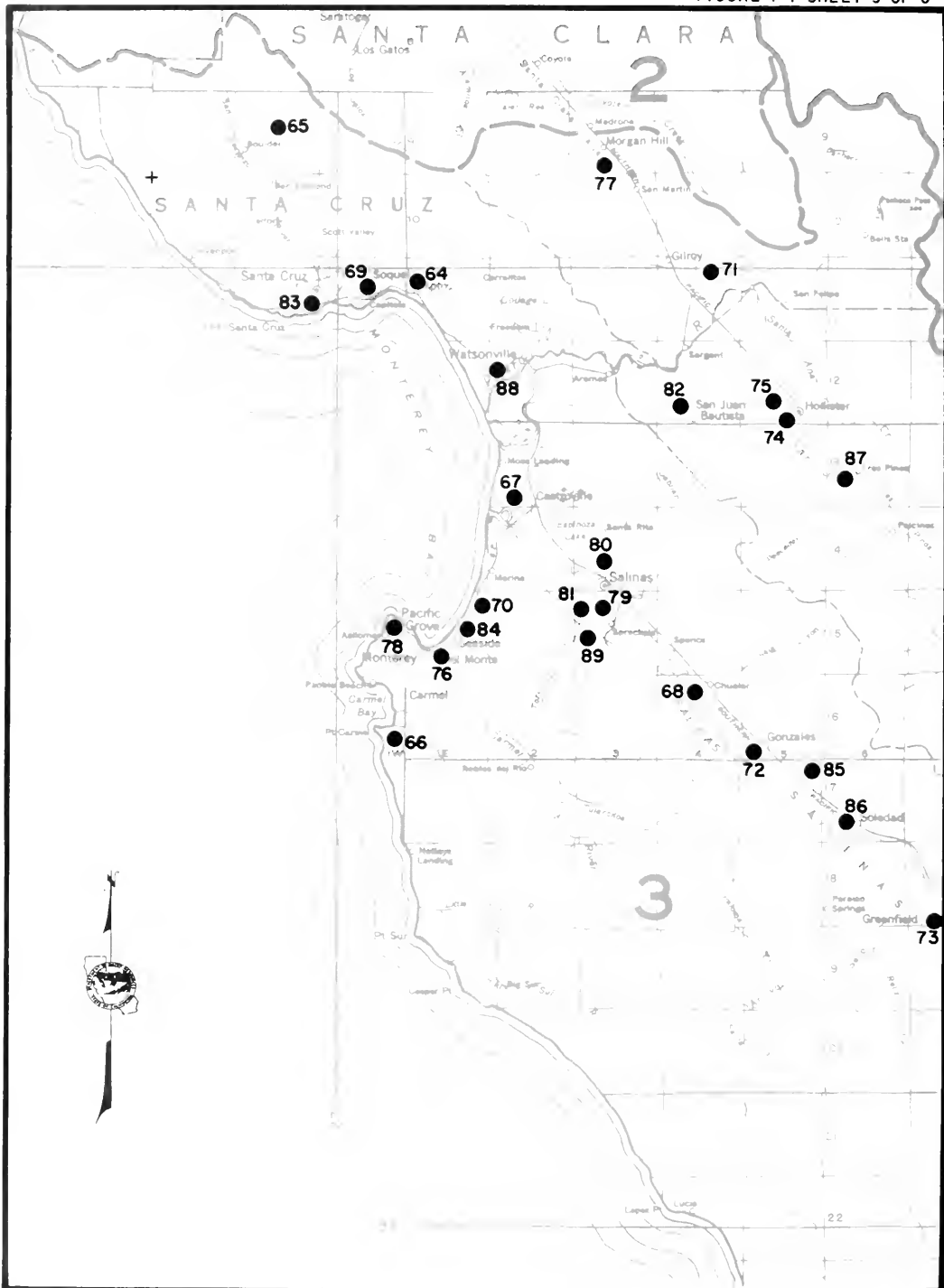
64	Aptos County Sanitation District	77	City of Morgan Hill
65	Bear Creek Estates	78	City of Pacific Grove
66	Carmel Sanitary District	79	City of Salinas, Domestic Plant No. 1
67	Castroville County Sanitation District	80	City of Salinas, Domestic Plant No. 2
68	Chular County Sanitation District	81	City of Salinas, Industrial Plant
69	East Cliff County Sanitation District	82	City of San Juan Bautista
70	Fort Ord, Main Garrison	83	City of Santa Cruz
71	City of Gilroy, Domestic and Industrial	84	Seaside County Sanitation District
72	City of Gonzales	85	Soledad State Prison
73	City of Greenfield	86	City of Soledad
74	City of Hollister, Domestic	87	Tres Pinos County Water District
75	City of Hollister, Industrial	88	City of Watsonville
76	City of Monterey	89	Western Pacific Sanitation Company (Toro Park)

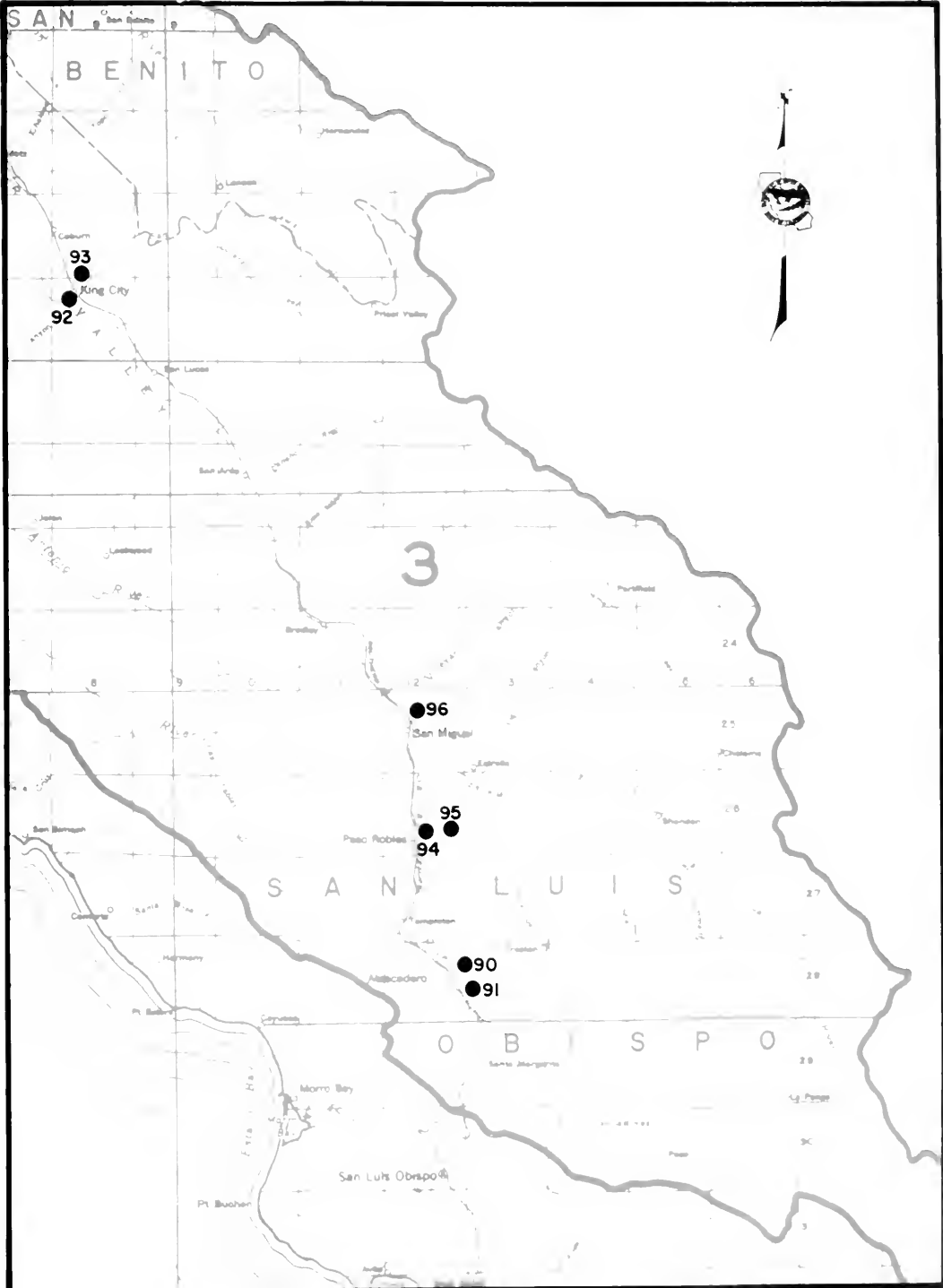
Figure F-1 Sheet 6 of 6 - Middle Portion of Central Coastal Region (No. 3)

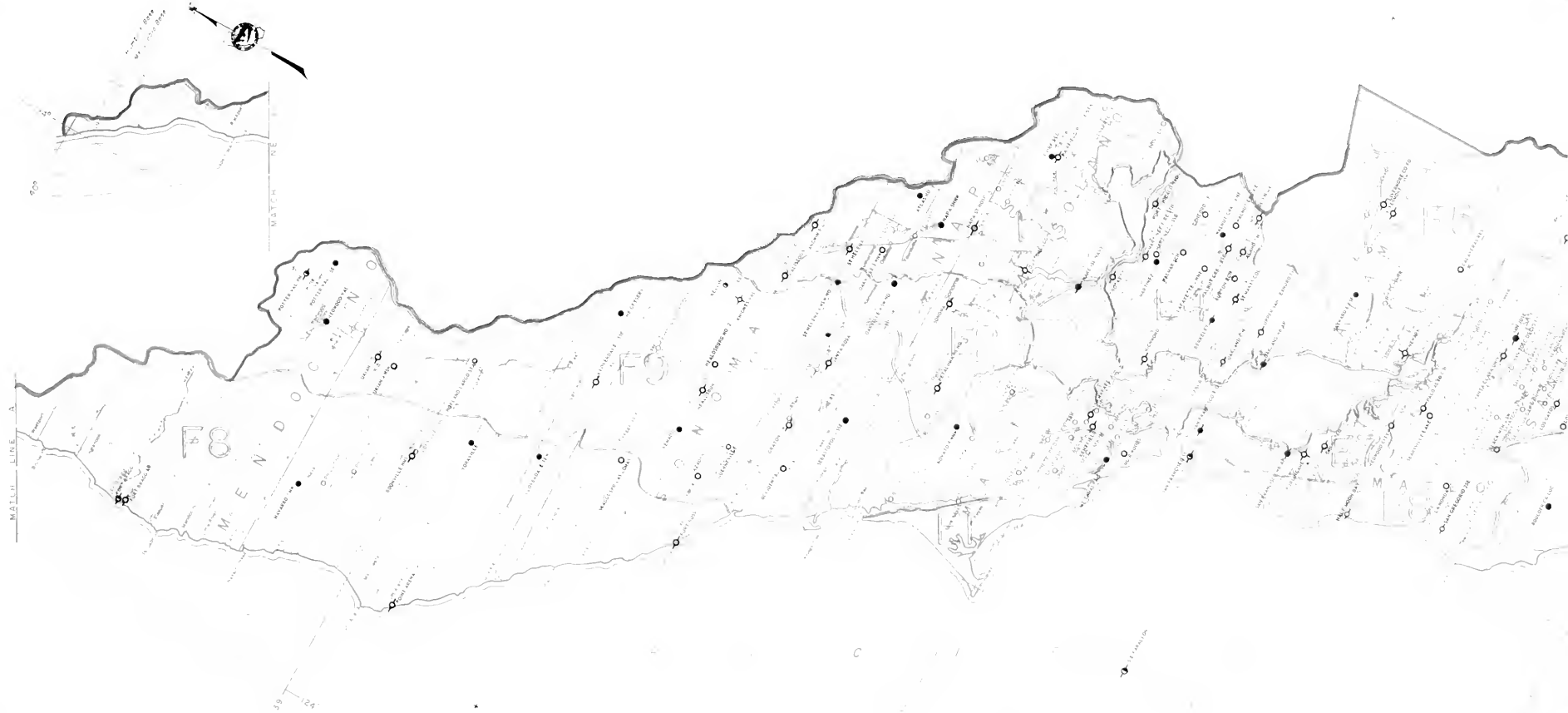
90	Atascadero Sewer Maintenance District	93	King City Airport
91	Atascadero State Hospital	94	City of Paso Robles
92	City of King City	95	Paso Robles School for Boys
		96	San Miguel Sanitary District

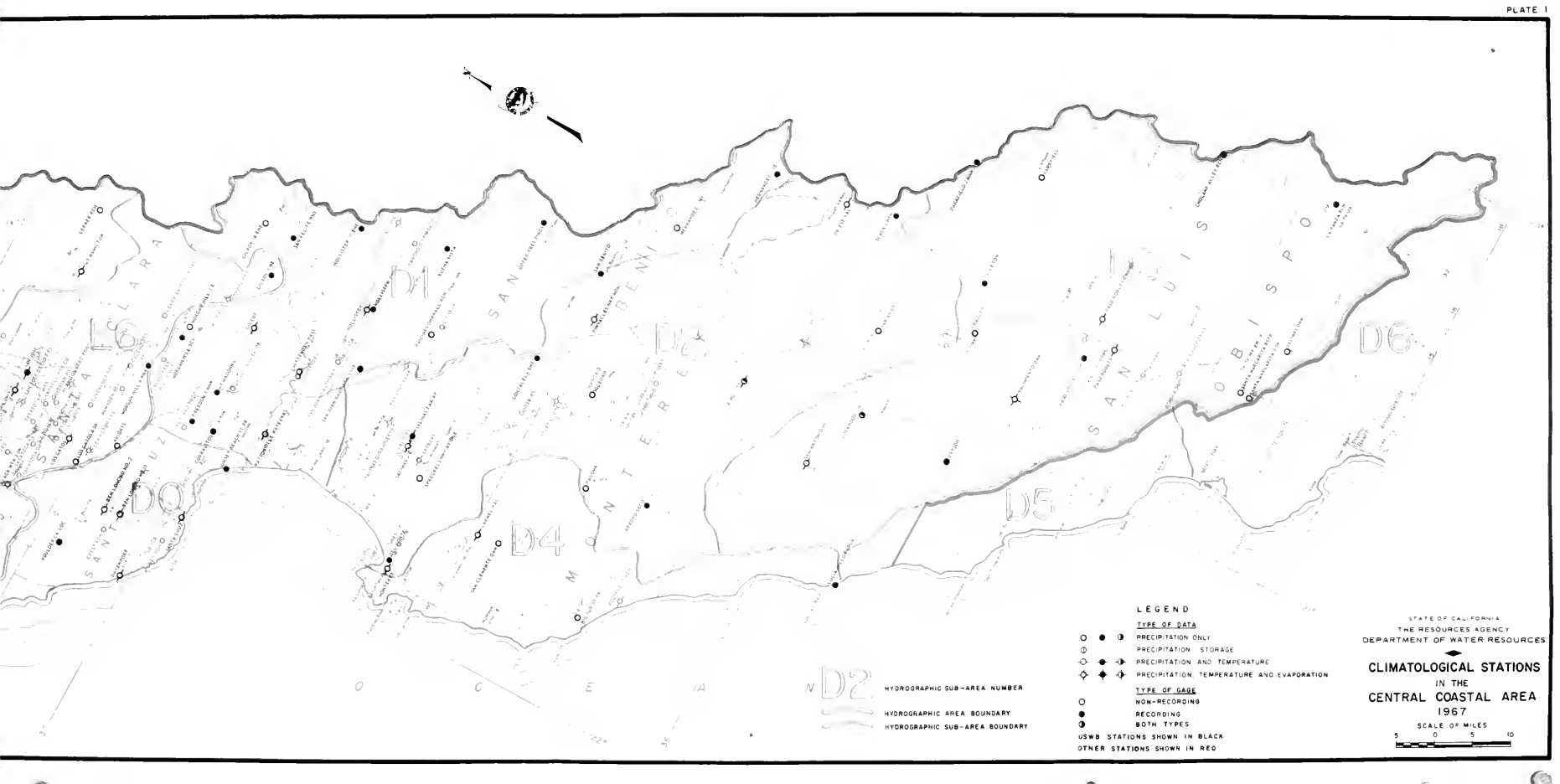












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**GROUND WATER BASINS OR UNITS
IN THE
CENTRAL COASTAL AREA
1967**

SCALE OF MILES
5 0 5 10

SURFACE WATER MEASUREMENT STATIONS

HYDROGRAPHIC AREA E

San Francisco Bay (EO)
E03300 Suisun Bay at Benicia
Hapa-Salinas (E3)
E31110 Sacramento River at Colusa
1600 Hector Reservoir near Yountville

SURFACE WATER QUALITY STATIONS

HYDROGRAPHIC AREA B

Sacramento-San Joaquin Delta (B9)
B91070.10 Suisun Bay at Pittsburg

HYDROGRAPHIC AREA D

Santa Cruz (D0)
D01200.00 San Lorenzo River at Big Trees
3100.00 Sequel Creek at Sequel
2961.52 Monterey Bay at Santa Cruz
Pajaro-San Benito Rivers (D1)
D11250.00 Pajaro River at Chittenden
1371.90 Puma Creek near Morgan Hill
2650.00 San Benito River near Bear Valley
Pico Station

Lower Salinas River (D3)
D31200.00 Salinas River near Sprackels
1650.00 Salinas River near Bradley

Upper Salinas River (D3)
D31650.00 Salinas River at Paso Robles
2200.00 San Antonio River near Playto
3350.00 Macintosh River near San Miguel

Monterey Coast (D5)
D51000.00 Carmel River at Rubies del Mar

HYDROGRAPHIC AREA F

San Francisco Bay (F0)
F01700.90 Carquinez Strait at Crockett
3200.00 Suisun Bay at Middle Point
3200.90 Suisun Bay at Port Chicago
3300.10 Suisun Bay at Martinez
E085.33 San Francisco Bay at San Mateo Bridge
E075.21 San Francisco Bay at Coyote Point
C059.55 San Francisco Bay at Treasure Island
C041.72 San Francisco Bay near Port Point
E076.01 San Pablo Bay at Point San Pablo
J030.19 Suisun Bay at Benicia

Hapa-Salinas (F3)
F31100.50 Hapa River at Dutton Landing
1110.00 Sacramento River at Colusa
1500.00 Hapa River near St. Helena

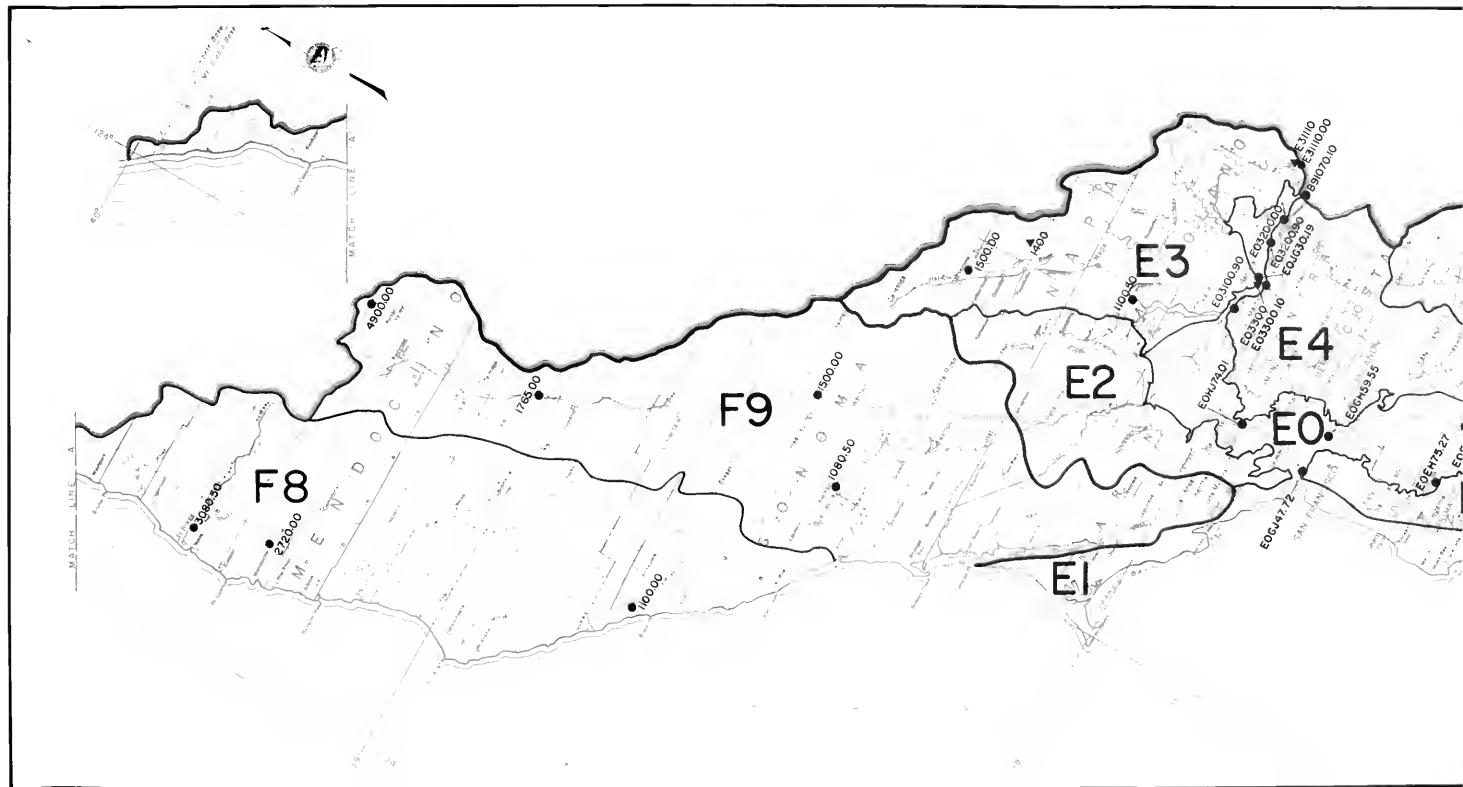
Alameda Creek (F5)
F51150.00 Alameda Creek near Elise
1600.00 Arroyo del Valle near Livermore

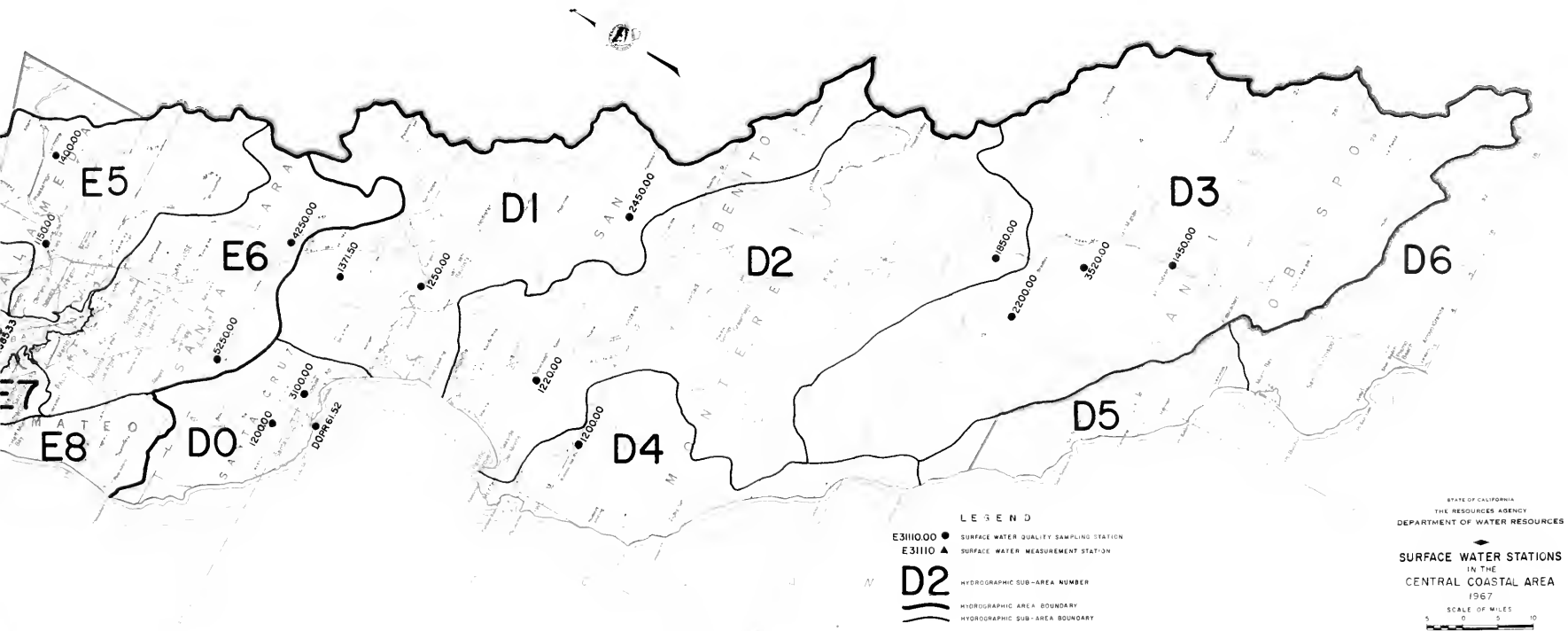
Santa Clara Valley (F6)
F61250.00 Coyote Creek near Madrone
3150.00 Los Gatos Creek at Los Gatos

HYDROGRAPHIC AREA F

Monterey Coast (F5)
F51100.00 Guadalupe River, South Fork,
near Arroyo
2120.00 Big River near North
3080.50 Hojo River near Fort Snags

Russell River (F5)
F51080.50 Russell River at Guerneville
1500.00 Russell River near Mendocino
1765.00 Russell River near Hopland
4900.00 Russell River, West Fork, at
Foster Valley Powerhouse







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